

APPLIED SCIENCE &
TECHNOLOGY INDEX

1959

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EDITED BY
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CHARLOTTE TRILLING



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Acknowledgments

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R. P.

List of Periodicals Indexed

- A I Ch E J**—Journal of the American Institute of Chemical Engineers. \$9 q American Institute of Chemical Engineers, 25 W 45th St, New York 36
- A M A Archives Ind Health**—A.M.A. Archives of Industrial Health. \$8 m American Medical Association, 535 N Dearborn St, Chicago 10
- ARS J**—ARS Journal. \$12.50 m American Rocket Society, Inc. and American Interplanetary Society, 500 Fifth Av, New York 36
Formerly Jet Propulsion; changed January, 1959
- ASHRAE J**—ASHRAE Journal. \$5 m American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc, 234 Fifth Av, New York 1
Formerly Refrigerating Engineering; changed March, 1959
- A S M E Trans**—Transactions of the American Society of Mechanical Engineers. \$10 American Society of Mechanical Engineers, 29 W 39th St, New York 18
Published in 5 parts: ser A, Journal of Engineering for Power, q (Ja); ser B, Journal of Engineering for Industry, q (F); ser C, Journal of Heat Transfer, q (F); ser D, Journal of Basic Engineering, q (Mr); ser E, Journal of Applied Mechanics, q (Mr)
\$5 to members and affiliates
- A S T M Bul**—Bulletin of the American Society for Testing Materials. \$3.50 8 times a yr American Society for Testing Materials, 1916 Race St, Philadelphia 3
- Aero/Space Eng**—Aero/Space Engineering. \$5 m Institute of the Aeronautical Sciences, Inc, 2 E 64th St, New York 21
- Air Cond Heat & Ven**—Air Conditioning Heating and Ventilating. \$3 m Industrial Press, 93 Worth St, New York 13
- Aircraft Eng**—Aircraft Engineering. 40s; U.S. \$6.50; Canada \$6.50 m Bunhill Publications, Ltd, 12 Bloomsbury Square, London, W.C. 1
- Am Assn Pet Geologists Bul**—Bulletin of the American Association of Petroleum Geologists. \$18 m American Association of Petroleum Geologists, Inc, Box 979, Tulsa, 1, Okla.
- Am Cer Soc Bul**—Bulletin of the American Ceramic Society. \$6 m American Ceramic Society, 4055 N High St, Columbus 14, Ohio
- Am Cer Soc J**—Journal of the American Ceramic Society. Ceramic Abstracts, \$20 including Ceramic Bulletin m American Ceramic Society, 4055 N High St, Columbus 14, Ohio
- Am Chem Soc J**—Journal of the American Chemical Society. \$30 s-m American Chemical Society, 1155 16th St, N.W., Washington 6, D.C.
- Am Concrete Inst J**—Journal of the American Concrete Institute. \$18 m American Concrete Institute, P.O. Box 4754 Redford Station, Detroit 19, Mich.
- Am Dyestuff Rep**—American Dyestuff Reporter. \$7.50 bi-w Howes Pub. Co, 44 E 23d St, New York 10
- Am Gas Assn Mo**—American Gas Association Monthly. \$5 m (bi-m JI-Ag) American Gas Assn, Inc, 420 Lexington Av, New York 17
- Am Inst Chem Eng J**. See **A I Ch E J**
- Am J Clinical Nutrition**—American Journal of Clinical Nutrition. \$3 bi-m The American Journal of Clinical Nutrition, Inc, 11 E 36th St, New York 16
- Am J Phys**—American Journal of Physics. \$10 m (except Je, JI and Ag) American Institute of Physics, Inc, 335 E 45th St, New York 17
- Am J Pub Health**—American Journal of Public Health and the Nation's Health. \$12 m American Public Health Association, Inc, 1790 Broadway, New York 19
- Am Mach**—American Machinist. \$3 bi-w McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36
Extra number published in Mid-September
- Am Medical Assn Archives Ind Health**. See **A M A Archives Ind Health**
- Am Mineralogist**—American Mineralogist. \$6 bi-m U.S. Geological Survey, Washington 25, D.C.
- Am Oil Chem Soc J**—Journal of the American Oil Chemists' Society. \$8 m American Oil Chemists' Society, 35 E Wacker Drive, Chicago 1
- Am Perfumer & Aromatics**—American Perfumer and Aromatics. \$5 m Moore Pub. Co, Inc, 48 W 38th St, New York 18
- Am Rocket Soc J**. See **ARS J**
- Am Scientist**—American Scientist. \$2 q Sigma Xi, 56 Hillhouse Av, New Haven 11, Conn.
- Am Soc C E Proc**—Proceedings of the American Society of Civil Engineers. \$40 m American Society of Civil Engineers, 33 W 39th St, New York 18
- Am Soc Heat Refrig & Air-Cond Eng J**. See **ASHRAE J**
- Am Soc Mech Eng Trans**. See **A S M E Trans**
- Am Soc Naval Eng J**—Journal of the American Society of Naval Engineers. \$12 q American Society of Naval Engineers, Inc, 1012 14th St, N.W., Washington 5, D.C.
- Am Soc T M Bul**. See **A S T M Bul**
- Am Water Works Assn J**—Journal of the American Water Works Association. \$10 m American Water Works Assn, 2 Park Av, New York 16
- Anal Chem**—Analytical Chemistry. \$5 m American Chemical Society, 1155 16th St, N.W., Washington 6, D.C.
- Ap Hydraulics & Pneumatics**—Applied Hydraulics and Pneumatics. \$7 m Industrial Pub. Corp, 812 Huron Rd, Cleveland 15
- Applications & Ind**—Applications and Industry. \$8 bi-m American Institute of Electrical Engineers, 33 W 39th St, New York 18
- Arch Forum**—Architectural Forum, The Magazine of Building. \$6.50 m Time, Inc, 9 Rockefeller Plaza, New York 20
- Arch Rec**—Architectural Record. \$5.50 m F. W. Dodge Corp, 119 W 40th St, New York 18
Extra number published in Mid-May
- Assn for Computing Mach J**—Journal of the Association for Computing Machinery. \$10 q Association for Computing Machinery, 2 E 63d St, New York 21
- Audio**—Audio. \$4 m Radio Magazines, Inc, 204 Front St, Mineola, New York
- Audio Eng Soc J**—Journal of the Audio Engineering Society. \$8 q Audio Engineering Society, P.O. Box 12, Old Chelsea Station, New York 11
- Automation**—Automation; the Magazine of Automatic Manufacturing Operations. \$10 m Penton Pub. Co, Penton Bldg, Cleveland 13
- Automobile Eng**—The Automobile Engineer. £3; U.S. \$8.50; Canada \$8.50 m Hiffe & sons, Ltd, Dorset House, Stamford St, London, S.E. 1
- Automotive Ind**—Automotive Industries. \$10 s-m Chilton Co, Chestnut & 56th Sts, Philadelphia 39
- Bell Lab Rec**—Bell Laboratories Record. \$2 m Bell Telephone Laboratories, Inc, 463 West St, New York 14
- Bell System Tech J**—Bell System Technical Journal. \$5 bi-m American Telephone and Telegraph Co, 195 Broadway, New York 7
- Brit Inst Radio Eng J**—Journal of the British Institution of Radio Engineers. 80s m British Institution of Radio Engineers, 9 Bedford Square, London, W.C. 1
- Brit Plastics**—British Plastics. £2 12s; U.S. \$7.50; Canada \$7.50 m Hiffe & Sons, Ltd, Dorset House, Stamford St, London, S.E. 1
- Can Chem Process**—Canadian Chemical Processing. \$6; U.S. \$10 m Hugh C. Maclean Publications, Ltd, 1450 Don Mills Rd, Don Mills, Ontario, Canada
- Can J Chem Eng**—Canadian Journal of Chemical Engineering. \$3; U.S. \$4 bi-m Chemical Institute of Canada, 48 Rideau St, Ottawa 2, Ont.
- Can Min & Met Bul**—Canadian Mining and Metallurgical Bulletin. \$12 m Canadian Institute of Mining and Metallurgy, 906 Drummond Bldg, Montreal, Que.

- Cer Ind**—Ceramic Industry. \$4 m Industrial Publications, Inc. 5 So. Wabash Av, Chicago 3
- Chem & Eng N**—Chemical and Engineering News. \$6 m American Chemical Society, 1155 16th St, N.W., Washington 6, D.C.
- Chem & Ind**—Chemistry and Industry. £5 w Society of Chemical Industry, 14 Belgrave Square, London, S.W. 1
- Chem Eng**—Chemical Engineering. \$3 bi-w McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Chem Eng Prog**—Chemical Engineering Progress. \$6 m American Institute of Chemical Engineers, 25 W 45th St, New York 36
- Civil Eng**—Civil Engineering, the Magazine of Engineered Construction. \$5 m American Society of Civil Engineers, 33 W 39th St, New York 18
- Coal Age**—Coal Age. \$3 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Com & Electronics**—Communication and Electronics. \$8 bi-m American Institute of Electrical Engineers, 33 W 39th St, New York 18
- Combustion**—Combustion. \$4 m Combustion Pub. Co, Inc. 200 Madison Av, New York 16
- Comp Air Mag**—Compressed Air Magazine. \$5 m Compressed Air Magazine Co, 942 Memorial Parkway, Phillipsburg, N.J.
- Concrete**—Concrete. \$6 m Concrete Pub. Corp, Daily News Plaza, 400 W Madison St, Chicago 6
- Control Eng**—Control Engineering. \$5 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Corrosion**—Corrosion. \$11 m National Association of Corrosion Engineers, Inc. 1061 M & M Bldg, Houston 2, Tex.
- Diesel Power**—Diesel Power. \$4 m Diesel Publications, Inc. 30 Lincoln Av, Stamford, Conn.
- Dom Eng**—Domestic Engineering. \$5 m Domestic Engineering Co, 1801 Prairie Av, Chicago 16
- Drug & Cosmetic Ind**—Drug and Cosmetic Industry. \$3 m Drug Markets, Inc. 101 W 31st St, New York 1
- Econ Geol**—Economic Geology and the Bulletin of the Society of Economic Geologists. \$6.50 s-q Economic Geology Pub. Co, M. M. Leighton, Business Mgr. Urbana, Ill.
- Elec Com**—Electrical Communication. \$2 q International Telephone and Telegraph Corp, 67 Broad St, New York 4
- Elec Constr & Maint**—Electrical Construction and Maintenance. \$3 m McGraw-Hill Pub. Co, 330 W 42d St, New York 36
Extra number published in Mid-September
- Elec Eng**—Electrical Engineering. \$12 m American Institute of Electrical Engineers, 33 W 39th St, New York 18
- Elec Manuf**—Electrical Manufacturing. \$15 m Conover-Mast Publications, Inc. 205 E 42d St, New York 17
- Elec World**—Electrical World. \$6 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Electrochem Soc J**—Journal of the Electrochemical Society. \$18 m Electrochemical Society, 1860 Broadway, New York 23
- Electronic & Radio Eng**—Electronic and Radio Engineer. £2 9s, U.S. and Canada \$7.50 m Iliffe & Sons, Ltd, Dorset House, Stamford St, London, S.E. 1
- Electronic Eng**—Electronic Engineering. £1 16s; U.S. \$5; Canada \$5 m Morgan Brothers, Ltd. 28, Essex St, Strand, London, W.C. 2
- Electronic Ind**—Electronic Industries. \$10 m Chilton Co, Chestnut & 56th Sts, Philadelphia 39
- Electronics**—Electronics. \$6 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
Extra number published in Mid-June
- Eng & Min J**—Engineering and Mining Journal. \$4 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Eng J**—Engineering Journal. \$6 m Engineering Institute of Canada, 2050 Mansfield St, Montreal 2, Que.
- Eng N**—Engineering News-Record. \$6 w McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Engineer**—Engineer. £5 10s; Canadian subs £5 5s w Morgan Brothers, Ltd, 28, Essex St, Strand, London, W.C. 2
- Engineering**—Engineering. £5 10s; Canadian subs £5 5s w Engineering Ltd, 36 Bedford St, London, W.C. 2
- Food Eng**—Food Engineering. \$2 m McGraw-Hill Pub. Co, Inc. 330 W 42d St, New York 36
- Food Tech**—Food Technology. \$11 m Institute of Food Technologists, 11606 S. Bell Av, Chicago 43
- Foundry**—Foundry. \$10 m Penton Pub. Co, Penton Bldg, Cleveland 13
- Franklin Inst J**—Journal of the Franklin Institute. \$10 m Franklin Institute of the State of Pennsylvania, Benjamin Franklin Parkway at 20th St, Philadelphia 3
- Gas**—Gas. \$2 m Chilton Co, 56th and Chestnut Sts, Philadelphia 39
- Gas Age**—Gas Age combining Natural Gas, Gas Age, Gas Record. \$5 bi-w Moore Pub. Co, Inc. 48 W 38th St, New York 18
- Geol Soc Bul**—Bulletin of the Geological Society of America. \$15 m Geological Society of America, H. R. Aldrich, sec. 419 W 117th St, New York 27
- Geophysics**—Geophysics. \$10 5 times a yr Society of Exploration Geophysicists, Colin Campbell, Business Manager, Box 1536, Tulsa 1, Okla.
- Glass Ind**—Glass Industry. \$5 m Ogden Pub. Co. 55 W 42d St, New York 36
- Heating-Piping**—Heating, Piping and Air Conditioning. \$3 m Keeney Pub. Co, 6 N Michigan Av, Chicago 2
- I S A J**—ISA Journal. \$4 m Instrument Society of America, 313 6th Av, Pittsburgh 22
- Illum Eng**—Illuminating Engineering, The Journal of the Illuminating Engineering Society. \$18 m Illuminating Engineering Society, 1860 Broadway, New York 23
- Ind & Eng Chem**—Industrial and Engineering Chemistry. \$5 m American Chemical Society, 1155 16th St, N.W., Washington 6, D.C.
- Ind Chem**—Industrial Chemist. 40s m Tothill Press Ltd, 33 Tothill St, Westminster, London, S.W. 1
- Ind Finishing**—Industrial Finishing. \$3 m Practical Publications, Inc. 1142 N. Meridian St, Indianapolis 4
- Ind Lab**—Industrial Laboratories, The Magazine of Research and Development. \$10 m F. D. Thompson Publications, Inc. 201 N. Wells St, Chicago 6
- Ind Med**—Industrial Medicine and Surgery. \$6 m Industrial Medicine Pub. Co, 400 S.W. 69th Av, Miami 44, Fla.
- Ind Phot**—Industrial Photography. \$6 m Photography in Business, Inc. 10 E 40th St, New York 16
- Ind Quality Control**—Industrial Quality Control. \$9 m American Society for Quality Control, Inc. 161 W Wisconsin Av, Milwaukee 3
- Inland & Am Ptr & Lithogr**—Inland and American Printer and Lithographer. \$5 m Maclean-Hunter Pub. Corp, 79 W Monroe St, Chicago 3
- Inst E E Proc**—Proceedings of the Institution of Electrical Engineers. The Institution, Savoy Place, Victoria Embankment, London, W.C. 2
Published in 2 parts: pt A, Power Engineering; bi-m (F); pt B, Electronic and Communication Engineering (including Radio Engineering) bi-m (Ja)
- Inst Mech Eng Proc**—Proceedings of the Institution of Mechanical Engineers, separate papers Institution of Mechanical Engineers, 1 Birdcage Walk, Westminster, London, S.W. 1
- Inst Metals J**—Journal of the Institute of Metals. 180s m Institute of Metals, 17 Belgrave Square, London, S.W. 1
- Inst Pet J**—Journal of the Institute of Petroleum. £4 14s 6d, m Institute of Petroleum, 61 New Cavendish St, London, W. 1
- Inst Radio Eng Proc**—Proceedings of the Institute of Radio Engineers. \$18 m Institute of Radio Engineers, Inc. 1 E 79th St, New York 21
- Instrument Soc Am J**. See I S A J
- Instruments & Automation**—Instruments and Automation. \$4 m Instruments Pub. Co, Inc. 845 Ridge Av, Pittsburgh 12, Pa.
Name changed to Instruments and Control Systems February, 1959

- Instruments & Control Systems**—Instruments and Control Systems. \$4 m Instruments Pub. Co. Inc. 845 Ridge Ave. Pittsburgh 12, Pa.
- Iron Age**—Iron Age. \$15 w Chilton Co. Inc. Chestnut & 56th Sts. Philadelphia 39
- Iron & Steel Eng**—Iron and Steel Engineer. \$7.50 m Association of Iron and Steel Engineers, 1010 Empire Bldg. Pittsburgh 22
- Iron & Steel Inst J**—Journal of the Iron and Steel Institute. £12 m Iron and Steel Institute, 4, Grosvenor Gardens, London, S.W. 1
- J Aero/Space Sci**—Journal of the Aero/Space Sciences. \$15 m Institute of the Aeronautical Sciences, Inc. 2 E 64th St. New York 21
- J Agri & Food Chem**—Journal of Agricultural and Food Chemistry. \$6 m American Chemical Society, 1155 16th St. N.W. Washington 6, D.C.
- J Ap Chem**—Journal of Applied Chemistry. £15 m Society of Chemical Industry, 14 Belgrave Square, London, S.W. 1
- J Ap Mech**—Journal of Applied Mechanics. \$5 q American Society of Mechanical Engineers, 29 W 39th St. New York 18
- J Ap Phys**—Journal of Applied Physics. \$14 m American Institute of Physics, 335 E 45th St. New York 17
\$12 to members and associate members of the American Institute of Physics
- J Basic Eng**. See A S M E Trans
- J Colloid Sci**—Journal of Colloid Science. \$17.50 bi-m Academic Press Inc. Mt Royal & Guilford Aves, Baltimore 2
- J Eng Ind**. See A S M E Trans
- J Eng Power**. See A S M E Trans
- J Geol**—Journal of Geology. \$8 bi-m University of Chicago Press, 5750 Ellis Av. Chicago 37
- J Heat Transfer**. See A S M E Trans
- J Math & Phys**—Journal of Mathematics and Physics. \$6 q Massachusetts Institute of Technology, Cambridge 39, Mass.
- J Metals**—Journal of Metals. \$10 m American Institute of Mining, Metallurgical and Petroleum Engineers, Inc. 29 W 39th St. New York 18
- J Nutrition**—Journal of Nutrition. \$22.50 m Wistar Institute of Anatomy and Biology, 36th St at Spruce, Philadelphia 4
- J Pet Tech**—Journal of Petroleum Technology. \$8 m Society of Petroleum Engineers of AIME, 6300 North Central Expressway, Dallas 6
- J Res Nat Bur Stand**—Journal of Research of the National Bureau of Standards, Superintendent of Documents, Washington 25, D.C.
Published in 4 sections beginning July-August, 1959: A. Physics and Chemistry \$4 bi-m; B. Mathematics and Mathematical Physics \$2.25 q; C. Engineering and Instrumentation \$2.25 q; D. Radio Propagation \$4 bi-m
- J Sci Instr**—Journal of Scientific Instruments. £6; U.S. \$17 m Institute of Physics, 47 Belgrave Square, London, S.W. 1
- Jet Propulsion**—Jet Propulsion. \$12.50 m American Rocket Society, 500 5th Av. New York 36
Name changed to ARS Journal January, 1959
- Light Metal Age**—Light Metal Age. \$4 bi-m Roy Fellom, Jr. 549 W Randolph St. Chicago 6
- Lub Eng**—Lubrication Engineering. \$6 m American Society of Lubrication Engineers, 5 N. Wabash Av. Chicago 2
- Mach**—Machinery. \$10 m Industrial Press, 93 Worth St. New York 13
- Machine Design**—Machine Design. \$10 bi-w Penton Pub. Co. Penton Bldg. Cleveland 13
- Mag of Stand**—Magazine of Standards. \$7 m American Standards Association, Inc. 70 E 45th St. New York 17
- Manuf Chem**—Manufacturing Chemist. £2 m Leonard Hill Ltd. Eden St. London, N.W. 1
- Marine Eng/Log**—Marine Engineering/Log. \$4 m (8-m in May) Simmons-Boardman Pub. Corp. 30 Church St. New York 7
- Materials in Design Eng**—Materials in Design Engineering. \$3 m Reinhold Pub. Corp. 430 Park Av. New York 22
Extra number published in Mid-October
- Mech Eng**—Mechanical Engineering. \$7 m American Society of Mechanical Engineers, 29 W 39th St. New York 18
- Metal Finishing**—Metal Finishing. \$5 m Metals and Plastics Publications, Inc. 381 Broadway, Westwood, N.J.
- Metal Prog**—Metal Progress. \$9 m American Society for Metals, Metals Park, Novely, Ohio
- Metallurgia**—Metallurgia, the British Journal of Metals. 30s m Kennedy Press, Ltd, 31 King St. W. Manchester 3
- Mill & Factory**—Mill & Factory. m Conover-Mast Publications, Inc. 205 E 42d St. New York 17
Price on request
- Min Cong J**—Mining Congress Journal. \$3 m American Mining Congress, 1102 Ring Bldg, Washington 6, D.C.
- Min Eng**—Mining Engineering. \$8 m American Institute of Mining, Metallurgical and Petroleum Engineers, Inc. 29 W 39th St. New York 18
- Mod Materials Handling**—Modern Materials Handling. \$8 m Modern Materials Handling, 221 Columbus Av. Boston 16
- Mod Metals**—Modern Metals. \$3 m Modern Metals Pub. Co. 435 N. Michigan Av. Chicago 11
- Mod Phot**—Modern Photography. \$4 m Photography Pub. Corp. 33 W 60th St. New York 23
- Mod Plastics**—Modern Plastics. \$7 m Modern Plastics, Inc. 575 Madison Av. New York 22
- Mod Textiles Mag**—Modern Textiles Magazine. \$5 m Rayon Pub. Corp. 303 Fifth Av. New York 16
- Noise Control**—Noise Control. \$8 bi-m Noise Control. 335 E 45th St. New York 17
- Nucleonics**—Nucleonics. \$8 m McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36
- Oil & Gas J**—Oil and Gas Journal. \$5 w Petroleum Pub. Co. 211 South Cheyenne Av. Tulsa 3, Okla.
- Op Res**—Operations Research. \$10 bi-m Operations Research Society of America, Mt Royal and Guilford Aves, Baltimore 2
- Paint Oil & Chem R**—Paint, Oil and Chemical Review. \$3 bi-w Trade Review Co. 332 W Harrison St. Oak Park, Ill.
- Paper Ind**—Paper Industry. \$3 m Fritz Publications, Inc. 431 S Dearborn St. Chicago 5
- Pet Eng**—Petroleum Engineer; Management Edition. \$8 m Petroleum Engineer Pub. Co. 800 Davis Bldg, Dallas 2
- Pet Refiner**—Petroleum Refiner. \$2 m Gulf Pub. Co. Box 2608, Houston 1, Tex.
- Phys Today**—Physics Today. \$4 m American Institute of Physics, 335 E 45th St. New York 17
- Pit & Quarry**—Pit and Quarry. \$3 m Pit and Quarry Publications, Inc. 431 S Dearborn St. Chicago 5
- Plant**—Plant. \$6 m Plant Pub. Co. Wheaton, Ill.
- Plant & Power Services Eng**—Plant and Power Services Engineer. \$10 m Putman Pub. Co. 111 E Delaware Place, Chicago 11
Formerly Power Industry; changed May, 1959
- Plant Eng**—Plant Engineering. \$10 m Technical Pub. Co. 308 E. James St. Barrington, Ill.
- Plastics Tech**—Plastics Technology, The Magazine of Applied Engineering. \$7 m Bill Brothers Pub. Corp. 630 Third Av. New York 17
- Plastics World**—Plastics World. \$5 m Cleworth Pub. Co. Inc. 1 River Road, Cos Cob, Conn.
- Plating**—Plating. \$5 m American Electroplaters' Society, Inc. 5800 N. Marvane St. Philadelphia 41
- Power**—Power. \$5 m McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36
- Power Apparatus & Systems**—Power Apparatus and Systems. \$8 bi-m American Institute of Electrical Engineers, 33 W 39th St. New York 18
- Power Eng**—Power Engineering. \$10 m Power Engineering, 308 E. James St., Barrington, Ill.
- Power Ind**—Power Industry, Including Industrial Power and Industry Power. \$10 m Putman Pub. Co. 111 E Delaware Place, Chicago 11
Name changed to Plant and Power Services Engineer May, 1959
- Product Eng**—Product Engineering. \$5 w McGraw-Hill Pub. Co. Inc. 330 W 42d St. New York 36
Extra number published in Mid-September

- Prog Arch**—Progressive Architecture. \$5 m Reinhold Pub. Corp, 430 Park Av, New York 22
- Pub Roads**—Public Roads. \$1 bi-m Superintendent of Documents, Washington 25, D.C.
- Pub Works**—Public Works. \$5 m Public Works Journal Corp, 200 S Broad St, Ridgewood, N.J.
- Q S T**—QST. \$5 m American Radio Relay League, Inc, 38 La Salle Rd, West Hartford 7, Conn.
- RCA R**—RCA Review. \$2 q Radio Corporation of America, RCA Laboratories Division, Princeton, N.J.
- R Sci Instr**—Review of Scientific Instruments. \$11 m American Institute of Physics, 335 E 45th St, New York 17
\$9 to members of scientific societies
- Radio Corp Am R**. See RCA R
- Radio-Electronics**—Radio-Electronics. \$4 m Gernsback Publications, Inc, 154 W 14th St, New York 11
- Refrig Eng**—Refrigerating Engineering Including Air Conditioning. \$5 m American Society of Refrigerating Engineers, 234 Fifth Av, New York 1
Name changed to ASHRAE Journal March, 1959
- Research**—Research, Applied in Industry. £3 5s; U.S. \$10.75 m Butterworths Publications, Ltd, 38 Kingsway, London, W.C. 2
- Roads & Sts**—Roads and Streets. \$6 m Gillette Pub. Co, 22 West Maple St, Chicago 10
- Rock Prod**—Rock Products. \$3 m Maclean-Hunter Pub. Corp, 79 W Monroe St, Chicago 3
- Roy Aeronautical Soc J**—Journal of the Royal Aeronautical Society. £7 10s m Royal Aeronautical Society, 4 Hamilton Place, London, W. 1
- Rubber Age**—Rubber Age. \$5 m Palmerton Pub. Co, Inc, 101 W 31st St, New York 1
- Rubber Chem & Tech**—Rubber Chemistry and Technology. \$9.50 5 times a yr American Chemical Society, Division of Rubber Chemistry, Prince and Lemon Sts, Lancaster, Pa.
- Rubber World**—Rubber World. \$5 m Bill Brothers Pub. Corp, 630 3d Av, New York 17
- S A E J**—SAE Journal. \$12 m Society of Automotive Engineers, Inc, 485 Lexington Av, New York 17
- SMPTE J**—Journal of the Society of Motion Picture and Television Engineers. \$12.50 m Society of Motion Picture and Television Engineers, 55 W 42d St, New York 36
- Safety Maint**—Safety Maintenance. \$4 m Alfred M. Best Co, Inc, 75 Fulton St, New York 38
- Sci Am**—Scientific American. \$6 m Scientific American, Inc, 415 Madison Av, New York 17
- Sewage & Ind Wastes**—Sewage and Industrial Wastes. \$7.50 m Federation of Sewage and Industrial Wastes Associations, 4435 Wisconsin Av, N.W., Washington 16, D.C.
- Soap & Chem Spec**—Soap and Chemical Specialties. \$4 m MacNair-Dorland Co, Inc, 254 W 31st St, New York 1
- Soc Automotive Eng J**. See S A E J
- Soc Dyers & Col J**—Journal of the Society of Dyers and Colourists. £5 5s m Society of Dyers and Colourists, Dean House, 19 Piccadilly, Bradford 1, Yorkshire, England
- Soc Motion Picture & Television Eng J**. See SMPTE J
- Space/Aeronautics**—Space/Aeronautics. \$10 m Conover-Mast Publications, Inc, 205 E 42d St, New York 17
- Steel**—Steel. \$10 w Penton Pub. Co, Penton Bldg, Cleveland 13
- Tappi**—Tappi. \$10 m Technical Association of the Pulp and Paper Industry, 360 Lexington Av, New York 17
- Tech Assn Pulp & Paper Ind**. See Tappi
- Textile Ind**—Textile Industries. \$2 m W. R. C. Smith Pub. Co, 806 Peachtree St, N.E. Atlanta 8
Extra number published in Mid-September
- Textile Res J**—Textile Research Journal. \$25 m Textile Research Institute, Inc, Publications Department, P.O. Box 625, Princeton, N.J.
- Textile World**—Textile World. \$2 m McGraw-Hill Pub. Co, Inc, 330 W 42d St, New York 36
Extra number published in Mid-July
- Tool Eng**—Tool Engineer. \$6 m (s-m in June) American Society of Tool Engineers, 10700 Puritan Av, Detroit 38
- Traffic Q**—Traffic Quarterly. q Eno Foundation for Highway Traffic Control, Inc, Saugatuck, Conn.
Price on request
- Water & Sewage Works**—Water & Sewage Works. \$5 m Scranton Pub. Co, 185 N Wabash Av, Chicago 1
Two numbers published in September. included in annual subscription
- Water Works Eng**—Water Works Engineering. \$3 m Water Works Engineering, 466 Lexington Av, New York 17
- Welding Eng**—Welding Engineer. \$3 m Welding Engineer Publications, Inc, P.O. Box 28, Morton Grove, Ill.
Extra number published in Mid-June
- Welding J**—Welding Journal. \$8 m American Welding Society, 33 W 39th St, New York 18
- Westinghouse Eng**—Westinghouse Engineer. \$2.50 bi-m Westinghouse Engineer, P.O. Box 2278, 3 Gateway Center, Pittsburgh 30
- Wire & Wire Prod**—Wire and Wire Products. \$8 m Quinn-Brown Pub. Corp, 453 Main St, Stamford, Conn.
- Wireless World**—Wireless World. £1 15s; U.S. \$5; Canada \$5 m Iliffe and Sons, Ltd, Dorset House, Stamford St, London, S.E. 1

Key to General Abbreviations

+	continued on later pages of the issue	Jl	July
abr	abridged	Mr	March
Ag	August	My	May
Ap	April	N	November
arch	architect	n s	new series
bibliog	bibliography	no	number
comp	compiled or compiler	O	October
cond	condensed	p	page
cont	continued	pl	plate
D	December	por	portrait
diag	diagram	pseud	pseudonym
ed	edited or edition or editor	pt	part
F	February	rev	revised
il	illustrations	S	September
inc	incorporated	sup	supplement
Ja	January	tr	translated or transla- tion or translator
Je	June	v	volume
		yrbk	yearbook

Sample entry: **ELECTRIC wire** Protection

Aluminized strand service test results, E. B.
Brant, *Il Wire & Wire Prod* 34:1101- S '59

Explanation: An illustrated article on the subject **ELEC-
TRIC wire—Protection** entitled "Aluminized
strand service test results," by E. B. Brant,
will be found in volume 34 of *Wire and Wire
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See United States—Defense. Department of—

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ADVERTISEMENTS**Books and booklets**Office brochures. *Il Prog Arch* 39:11+ S; 11+ O; 9+ N '58; 40:13 Mr '59Rockcote's plastic binding. *Il Paint Oil & Chem R* 122:7 Ap '59**ADVERTISEMENTS, Pictorial****Photographs**Doorway to sales; taking pictures of doors at a beach. J. Hughes. *Il Ind Phot* 8:38 JI '59Photos with a flair introduce 1959 model cars. *Il Ind Phot* 8:42+ F '59Triple exposure tells impossible story; light-trace photo in ad; Warner & Swasey co. R. C. Hoffner. *Il Ind Phot* 8:47 F '59**See also**

Photography, Commercial

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Moving pictures in advertising

Publicity

Television advertising

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Architects

Chemical industries

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Rock products industry—Advertising

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New literature. Published in monthly numbers of *Canadian chemical processing*
New literature. Published in monthly numbers of *Industrial laboratories*
New literature for ideas to improve your methods. Published in monthly numbers of *Mill and factory*
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Industrial buildings
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Iron alloys
Lead alloys
Lithium alloys
Magnesium alloys
Manganese alloys
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Nickel alloys
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AMERICAN association of oilwell drilling contractors

Annual meeting, 18th, Dallas, Oct. 1-3. Pet Eng 30:B 126-7 N '58

AMERICAN association of petroleum geologists

Annual meeting, Dallas, March 16-19; abstracts of papers. Am Assn Pet Geologists Bul 43:1765-81 Jl '59

Annual meeting, 44th, Dallas, March 16-19; reports. Am Assn Pet Geologists Bul 43:1437-89 Je '59

Constitution and by-laws. Am Assn Pet Geologists Bul 43:2250-60 S '59

Membership directory. Am Assn Pet Geologists Bul 43:1-218 pt 2 Mr '59

Pacific section meeting, Nov. 6-7; abstracts of papers. Am Assn Pet Geologists Bul 43:252-60 Ja '59

AMERICAN association of physics teachers

Annual meeting, 28th, New York, Jan. 28-31; with abstracts of papers. Am J Phys 27:441-53 S '59

Summer meeting, Boulder, June 25-27; with abstracts of papers. Am J Phys 27:64-7 Ja '59

AMERICAN association of state highway officials

Annual meeting, 44th, San Francisco, Dec. 1-5. Eng N 161:21-2 D 11 '58; Roads & Sts 102:72+ Ja; 66+ F '59

Man who gets things done; David H. Stevens. AASHO's new president. Eng N 163:55-6 O 22 '59

AMERICAN association of textile chemists and colorists

Address before the Southeastern section. G. O. Linberg. Am Dyestuff Rep 47:925-6+ D 23 '58

AATCC looks ahead. C. A. Sylvester. Am Dyestuff Rep 48:43-4 Ag 10 '59

Annual meeting, 37th, Chicago, Oct. 30-Nov. 1. Am Dyestuff Rep 47:863-72 D 1 '58

Annual meeting, 37th, Chicago, Oct. 30-Nov. 1; program, officers, committee members; abstracts of papers. Am Dyestuff Rep 47:701-26 O 20 '58

Annual meeting, 37th, Chicago; with abstracts of papers. Textile Ind 123:93-7 Ja '59

Council report; 211th meeting, Charlotte, N.C. Sept. 19. Am Dyestuff Rep 47:738-9 O 20 '58

Council report; 213th meeting, New York, Jan. 30. Am Dyestuff Rep 48:53-7 F 23 '59

Council report; 214th meeting, New York, April 3. Am Dyestuff Rep 48:56-8 My 4 '59

Importance of AATCC to the textile industry and the consumer. G. H. Johnson. Am Dyestuff Rep 48:23-4 Ja 12 '59

Meeting, 215th, Montreal, May 29; council report. Am Dyestuff Rep 48:39-40 Ag 24 '59

National convention and exhibit, Washington, Oct. 7-9; list of exhibitors, floor plan. Mod Textiles Mag 40:61-3 O '59

AMERICAN association of textile chemists and colorists—Continued

National meeting, 38th, Washington, Oct. 7-10; with list of exhibitors, floor plan; abstracts of papers, Am Dyestuff Rep 48:31-125 S 21 '59
 President's address, G. O. Linberg, Am Dyestuff Rep 47:787-8 N 17 '58

Committee on research

Meeting, 195th, Philadelphia, May 22; with text of reports, Am Dyestuff Rep 47:631-7 S 8 '58
 Technical committee on research, 196th meeting, Charlotte, N.C. Sept. 20, Am Dyestuff Rep 47:740+ O 20 '58
 Technical committee on research, 197th meeting, New York, Jan. 19, Am Dyestuff Rep 48:35-40+ Mr 9 '59
 Technical committee on research, 198th meeting, New York, April 2, Am Dyestuff Rep 48:51-5 My 18 '59

AMERICAN cancer society

Hitch your mousetrap to a cause, D. L. Harrington, Il Water Works Eng 112:300-1 Ap '59

AMERICAN ceramic society

Annual meeting, 61st, Chicago, May 17-21; awards, fellows, officers, Am Cer Soc Bul 38:309-23 Je 15 '59
 Annual meeting, 61st, Chicago, May 17-21; program and abstracts of papers, Am Cer Soc Bul 38:155-74 Ap 15 '59
 Annual meeting, 61st, Chicago, May 17-21; report on the honors and awards, Glass Ind 40:300+ Je '59
 Annual report of sections' activities, Am Cer Soc Bul 38:78-83+ F 15 '59
 Audit report, 1958, Am Cer Soc Bul 38:424 Ag 15 '59
 Ceramics, the oldest art and newest science, S. W. Bradstreet, Am Cer Soc Bul 37:510-12 D 15 '58
 How honors are thrust upon you, Am Cer Soc Bul 38:145 Ap 15 '59
 Meet the Pacific Northwest section; thumbnail biographies of some of the members, Cer Ind 73:38-41 O '59
 Membership roster, Am Cer Soc Bul 38:511-21+ O 15 '59
 Pacific Coast regional meeting, 11th, Los Angeles, Oct. 22-24, Am Cer Soc Bul 37:516 D 15 '58; Cer Ind 71:68 D '58
 Pacific Coast regional meeting, 12th, Seattle, Oct. 15-17; program, Cer Ind 73:36-7 O '59
 Pacific Coast regional meeting, 12th Seattle, Oct. 15-17; program with abstracts of papers, Am Cer Soc Bul 38:475-9 S 15 '59
 President's report to the board of trustees and committee reports for 1958-59, Am Cer Soc Bul 38:426-8 Ag 15 '59
 Society's growth passes 7000 total, Am Cer Soc Bul 37:513 D 15 '58

Basic science division

Fall meeting, Dayton, Ohio, Sept. 29-30; abstracts of papers, Am Cer Soc Bul 37:514-15 D 15 '58

Design division

Design division meeting; abstracts of papers, Cer Ind 73:49-51+ Ag '59

Electronics division

Annual meeting, 1st, Pittsburgh, April 28-29; with text of five papers, Am Cer Soc J 41:483-506 pt 2 N 1 '58

Glass division

Annual meeting, 61st, Chicago, May 17-21; abstracts of papers, Glass Ind 40:353-6+ JI '59
 Fall meeting, Bedford Springs, Pa. Oct. 16-17; abstracts of papers, Glass Ind 39:590-3+ N '58
 Fall meeting, Wernersville, Pa. Oct. 15-16; program, Am Cer Soc Bul 38:486-7 S 15 '59
 Meeting, Bedford Springs, Pa. Cer Ind 71:74-5 D '58
 Pacific Coast regional meeting, 11th, Los Angeles, Oct. 22-24, abstracts of papers, Glass Ind 39:647-8+ D '58

Materials and equipment division

Joint meeting with White wares division, Bedford Springs, Pa. Sept. 30-Oct. 3; program, Am Cer Soc Bul 38:481+ S 15 '59

Whiteware division

Fall meeting, Bedford Springs, Pa. Cer Ind 71:79-81 D '58
 Joint meeting with Materials and equipment division, Bedford Springs, Pa. Sept. 30-Oct. 3; program, Am Cer Soc Bul 38:481+ S 15 '59

AMERICAN chemical society

Advisory board members named, Chem & Eng N 37:77-80+ D 29 '58
 ACS finances being restyled, Chem & Eng N 37:108-9 Ap 20 '59
 American chemical society officers, committees, and chapters of student affiliates, Chem & Eng N 37:75-82 F 23 '59
 Board of directors minutes, Dec. 6-7, Chem & Eng N 37:94-108 Ja 19 '59
 Board of directors minutes; Boston, April 5-10, Chem & Eng N 37:54-61 My 25 '59
 Board of directors minutes, June 6, and reports of committees, Chem & Eng N 37:69-73 JI 20 '59
 Campaign outlook good; C&EN interview on building fund with E. R. Weidlein, Chem & Eng N 37:80+ F 16 '59
 Candidates for offices, Chem & Eng N 37:104-5+ O 26 '59
 Council policy committee minutes and council minutes, Boston, April 6-7, Chem & Eng N 37:62-4+ My 25 '59
 Dateline, Boston; role of American chemical society news service, Chem & Eng N 37:91-8 Ap 27 '59
 Have your say; there are many ways members can express their opinions and exert their influence, Chem & Eng N 37:68-73 O 5 '59
 National meeting, 135th, Boston, April 5-10; with program and abstracts of papers, Chem & Eng N 37:66-96+ Mr 2: 21-4, 32-5, 41-74 Ap 13: 21-4, 29-30+ Ap 20 '59
 National meeting, 136th, Atlantic City, N.J., Sept. 13-18; with program and abstracts of papers, Chem & Eng N 37:54-107 Ag 10; 19-22+ S 21: 24-6+ S 28 '59
 Officers, committees, and chapters of student affiliates, Chem & Eng N 37:61-8 Ag 24 '59
 Official reports for 1958, Chem & Eng N 37:45-70 Mr 9 '59
 Progress report number 32 of the committee on professional training, Chem & Eng N 37:109-14 Mr 30 '59
 Projected ACS divisional programs, Chem & Eng N 37:84-9 O 19 '59
 Projected divisional programs, Chem & Eng N 37:91-102 My 11 '59
 Society streamlines communications, Chem & Eng N 37:100-2 O 26 '59
 Southeastern regional meeting, Gainesville, Fla. Dec. 11-13; program, Chem & Eng N 37:36-96+ N 10 '58
 Southeastern regional meeting, Richmond, Va., Nov. 5-7; program, Chem & Eng N 37:89-90+ O 19 '59
 Southwest regional meeting, San Antonio, Tex. Dec. 4-6; program, Il Chem & Eng N 36:84+ N 17 '58
 Special summary report; committee report on civil defense, Chem & Eng N 37:76-80 O 19 '59
Chemical abstracts service
 Career opportunities, Il Chem & Eng N 37:16 pt 2 Ja 26 '59
 Research expansion at the Chemical abstracts service, G. M. Dyson, diag Chem & Eng N 37:128-31 S 7 '59
Division of agricultural and food chemistry
 ACS Division of agricultural and food chemistry; a historical review, L. E. Clifcorn, J Agri & Food Chem 7:544-6 Ag '59
Division of analytical chemistry
 Division of analytical chemistry completes 20 years of activity, Il Anal Chem 31:sup 17A-20A+ Ap '59
 Meeting, Boston, April 6-10; program, Anal Chem 31:sup 33A-6A Mr '59
 National meeting, 136th, Atlantic City, Sept. 13-18; program, Anal Chem 31:sup 33A-7A Ag '59
Division of paint, plastics and printing ink chemistry
 Annual meeting, 134th, Chicago, Sept. 7-12; abstracts of papers of interest to rubber industry, Rubber Age 84:298-9 N '58
Division of polymer chemistry
 Annual meeting, 134th, Chicago, Sept. 7-12; abstracts of papers of interest to rubber industry, Rubber Age 84:298-9 N '58
Division of rubber chemistry
 Meeting, 75th, Los Angeles, May 13-15; program and abstracts of papers, Rubber Age 85:93-102 Ap; 460-2 Je '59; Rubber World 140:86-95 Ap; 439-44+ Je '59
 Officers; annual report, 1958; future meetings; sponsored rubber groups, Rubber Chem & Tech 31:sup III-x D '58

AMERICAN concrete institute

- American concrete institute dedicates new headquarters. *Il A S T M Bul* p28 F '59
- Annual convention, 55th, Los Angeles, Feb. 23-26; program. *Am Concrete Inst J* 30:sup3-6 N '58
- Annual meeting, 55th, Los Angeles, Feb. 23-26. *Eng N* 162:27 Mr 5 '59; *Am Concrete Inst J* 30:sup3-8 Ap '59; *Civil Eng* 29:296 Ap '59
- Annual report. *Am Concrete Inst J* 30:sup3-5 Mr '59
- Concrete; milestones of technology as reviewed at the dedication of the ACI headquarters building. R. F. Leggett, bibliog *Il Am Concrete Inst J* 30:325-33 Mr '59
- Dedicate new ACI headquarters, an unusual building of concrete. *Il Concrete* 66:29-30 N '58
- Regional convention, 11th, Detroit, Oct 27-29. *Pit & Quarry* 51:73+ D '58
- Regional meeting, 11th, Detroit, Oct. 27-29; abstracts of papers. *Am Concrete Inst J* 30:sup 13-15 D '58
- Regional meeting, 12th, Mexico city, Nov. 2-5; with program. *Am Concrete Inst J* 31:sup 1-4 S '59

AMERICAN council to improve our neighborhoods

- ACTION on rental housing. *Arch Forum* 110:120-1+ Mr '59
- ACTION's rousing Mr Rouse. *Arch Forum* 110:128-9+ My '59

AMERICAN die casting institute

- Annual meeting, Chicago, Sept. 10-11. *Mod Metals* 14:68+ S '58; *Foundry* 86:116+ N '58

AMERICAN electroplaters society

- AES research program; progress report and summaries of research projects. *Plating* 46:361-8+ Ap '59
- Annual convention and exposition, Detroit, June 15-19; program and list of exhibitors. *Iron Age* 183:123-4 Je 4 '59
- Annual convention and Industrial finishing exposition, Detroit, June 15-19. *Am Mach* 103:80 Je 29 '59
- Annual report, golden jubilee year. *Plating* 46:665-78 Je '59
- Branch delegates, boards and committees, branch directory, 1958-59. *Plating* 46:679-87 Je '59
- Constitution and by-laws as of June 18, 1959. *Plating* 46:1066-75 S '59
- Financial report, fiscal year ended June 30. *Plating* 46:1076-9 S '59
- Golden jubilee convention and industrial finishing exposition, Detroit, June 15-19. *Metal Finishing* 57:50-8+ Ag '59; *Il Plating* 46:937-50 Ag '59
- Golden jubilee convention and Industrial finishing exposition, Detroit and Oak Park, Mich. June 15-19; with program, officers, chairmen, abstracts of papers and list of exhibitors. *Plating* 46:691-704, 841-7 Je-Jl '59; *Metal Finishing* 57:76A-76U Je '59
- Kaleidoscope of first half century. J. P. Nichols. *Plating* 46:650-64 Je '59

AMERICAN foundrymens society

- Annual congress and castings show, Chicago, April 13-17; program, list of exhibitors, committee members, awards. *Foundry* 87:130-43 Ap '59
- Castings congress, 63d, and foundry show, Chicago, April 13-17; with abstracts of papers. *Foundry* 87:107-15, 181-2+ My; 185-6+ Je '59

AMERICAN gas association

- A.G.A. nominates for 1959-1960. *Am Gas Assn Mo* 41:2-4 Jl-Ag '59
- A.G.A. wins highest public relations award. *Am Gas Assn Mo* 40:17-18 N '58
- Annual accident prevention conference, 11th, Atlanta, Sept. 15-16. *Am Gas Assn Mo* 41:6-7+ O '59
- Annual meeting, 40th, Atlantic City, Oct. 13-15. *Am Gas Assn Mo* 40:2-39 N '58; *Gas Age* 122:35-54 N 13: 33-5 N 27 '58
- Annual meeting, 41st, Chicago, Oct. 5-7; program. *Am Gas Assn Mo* 41:3-4+ S '59
- Annual meeting, 41st, Chicago, Oct. 5-7; program, directors, section officers. *Gas* 35:109-12 O '59
- Annual transmission conference, Dallas, May 18-19. *Am Gas Assn Mo* 41:42-3+ Jl-Ag '59
- General management section 5th annual meeting, Cleveland, March 2-4. *Am Gas Assn Mo* 41:21-3+ Ap '59; *Gas Age* 123:17-18 Ap 16 '59
- Operating section distribution conference, Cincinnati, April 6-9; with abstracts of papers. *Am Gas Assn Mo* 41:37-41 My '59; *Gas Age* 123:17-26+ Ap 30 '59

- Operating section production conference, Rochester, May 25-27. *Am Gas Assn Mo* 41:39-41+ Jl-Ag '59
- Purchasing and stores committee, annual meeting, Cleveland, March 2-4. *Am Gas Assn Mo* 41:29-31 My '59
- Research and utilization conference, 14th, Cleveland, May 5-7. *Am Gas Assn Mo* 41:6-9+ Je '59
- Sales conference on industrial and commercial gas, Philadelphia, April 7-9. *Am Gas Assn Mo* 41:32-6 My '59
- Today at the A.G.A. J. F. Ebdon and W. T. Harper. *Il Gas* 35:77-108 O '59
- What A.G.A. offers the accountant. C. D. Otcasek. *Am Gas Assn Mo* 41:19-20 Ap '59

AMERICAN gear manufacturers association

- Annual meeting, 43d, Hot Springs, Va. June 1-3. *Am Mach* 103:116 Je 15 '59; *Automotive Ind* 121:51+ Jl 1 '59; *Mach* 65:173 Jl '59

AMERICAN industrial hygiene association

- Formative days, 1938-1939. *Ind Med* 28:407-15 S '50
- Role of the professional society in industrial hygiene. C. R. Williams. *Ind Med* 28:320-1 Jl '59

AMERICAN institute of architects

- Annual meeting, 91st, New Orleans, June 22-26. *Eng N* 163:25 Jl 2 '59; *Arch Forum* 111:7 Ag '59; *Arch Rec* 126:9-10+ Ag '59; *Prog Arch* 40:76-7 Ag '59

Building products registry service

- Cites advantages of new products survey. H. J. Rosen. *Prog Arch* 40:9 My '59

AMERICAN institute of chemical engineers

- Annual meeting, Cincinnati, Dec. 7-10; program. *Chem Eng Prog* 54:134-6+ O '58
- Annual meeting, San Francisco, Dec. 6-9; program. *Chem Eng Prog* 55:142+ O '59
- Meeting, Kansas City, May 18-20; program. *Chem Eng Prog* 55:126+ Mr '59
- Meeting, St Paul, Sept. 27-30; program. *Chem Eng Prog* 55:130+ Jl '59
- National meeting, Atlantic City, March 15-18; program. *Chem Eng Prog* 55:100+ Ja '59
- What's the A.I.Ch.E. doing for you? I. Leibson and others. *Chem Eng Prog* 55:73-5 Jl '59

AMERICAN institute of electrical engineers

- Accountants' report. *Elec Eng* 78:858-9 Ag '59
- AIEE fellows elected. *Elec Eng* 78:706-8 Je '59
- AIEE fellows elected. *Elec Eng* 78:958-64 S '59
- Design and application of ac mining equipment conference; abstracts of papers. *Coal Age* 64:60-2 Mr '59
- Fall general meeting, Pittsburgh, Oct. 26-31; program. *Elec Eng* 77:969-72 O '58
- Institute and electrical insulation. L. F. Hickernell, bibliog *Elec Eng* 77:1097-9 D '58
- Institute and its operations. L. F. Hickernell, bibliog map *Elec Eng* 78:672-6, 728-35, 832-3 Je-Ag '59
- Institute and research. L. F. Hickernell, bibliog *Elec Eng* 78:292-6 Ap '59
- Institute formed 75 years ago today. L. F. Hickernell. *Elec Eng* 78:806-7 Ag '59
- Institute's 75th anniversary celebration. L. F. Hickernell. *Elec Eng* 77:889-91 O '58
- Institute's 75th year. L. F. Hickernell. *Elec Eng* 78:884-9 S '59
- Officers, departments, and committees for 1959-60. *Elec Eng* 78:980-8 S '59
- Pacific general meeting, Sacramento, Aug. 19-22. *Elec Eng* 77:1047-9 N '58
- Report of the board of directors, May 1, 1953-April 30, 1959. *Elec Eng* 78:856-7 Ag '59
- Report on the revision of the AIEE standards manual. *Elec Eng* 78:207-12 Mr '59
- Role of AIEE in electrical insulation. L. J. Berberich. *Elec Eng* 77:1099-101 D '58
- Standardization; past and present. E. B. Paxton. *Il Mag of Stand* 30:268-70 S '59
- Summer and Pacific general meeting, Seattle, June 21-26; with abstracts of papers. *Elec Eng* 78:932-46 S '59
- Summer and Pacific meeting, Seattle, June 21-26; abstracts of papers. *Elec World* 152:86-9+ Jl 20 '59
- Two new medals announced. *Elec Eng* 78:179 F '59
- Winter general meeting, New York. *Elec World* 151:62-3 F 16 '59
- Winter general meeting, New York, abstracts of papers. *Control Eng* 6:32+ Mr '59
- Winter general meeting, New York; abstracts of papers. *Elec World* 151:47-56 Mr 2 '59
- Winter general meeting, New York, Feb. 1-6; program and abstracts of papers. *Elec Eng* 78:84-7, 363-7, 374-83 Ja, Ap '59

AMERICAN institute of mining, metallurgical and petroleum engineers
 Annual meeting, 37th, San Francisco, Feb. 15-19; with abstracts of papers of interest to producers of industrial minerals. *Pit & Quarry* 51:84-9 My '59
 Annual meeting, San Francisco, Feb. 15-19. *Eng & Min J* 160:89-92+ Ap '59
 Annual meeting, San Francisco, Feb. 15-19. *Rock Prod* 62:158+ My '59
 Map, location, and identification of local sections; with name and address of the local section secretary or secretary-treasurer. *Min Eng* 10:812-13 JI '58; Same. *J Metals* 10:686-7 O '58
 You and SME membership. 11 map diags. *Min Eng* 11:392-404 Ap '59

Council of education

Bylaws approved Feb. 16, 1958. *Min Eng* 11:79-80 Ja '59

Metallurgical society

Annual meeting, San Francisco, Feb. 15-19; program and abstracts of papers. *J Metals* 11:57-76 Ja '59
 Annual meeting, San Francisco, Feb. 15-19. *J Metals* 11:282-6 Ap '59
 Annual report of the secretary. *J Metals* 11:155-6 Mr '59
 Fall meeting, Chicago, Nov. 2-5; program and abstracts of papers. *J Metals* 11:567-602 S '59
 Fall meeting, Cleveland, Oct. 26-30. *J Metals* 11:20-2 Ja '59
 Membership directory, 1959. *J Metals* 11:sup 1-90 JI '59
 1958 income survey of members of the Metallurgical society. *J Metals* 11:386-90 Je '59
 Technical committees. *J Metals* 11:43-7 Ja '59

Society of mining engineers

Annual meeting, San Francisco, Feb. 15-19; program, abstracts of papers. *Min Eng* 10:1241-52; 11:33-44 D '58-Ja '59
 Membership directory, 1959. *J Pet Tech* 11:sup 1-121 Je '59
 Membership directory, 1959. *Min Eng* 11:sup 1-148 JI '59

Society of petroleum engineers

Annual fall meeting, 34th, Dallas, Oct. 4-7; program and abstracts of papers. *J Pet Tech* 11:47-59 S '59

AMERICAN institute of nutrition

Annual meeting, 22d, Philadelphia, April 13-18; proceedings. *J Nutrition* 66:139-62 S '58
 Annual meeting, 23d, Atlantic City, N.J., April 11-13; proceedings. *J Nutrition* 69:95-103 S '59

AMERICAN institute of physics

Annual meeting of the Corporate associates, New York, Oct. 28. *Phys Today* 11:38-9 D '58
 Annual report, 1958. *Phys Today* 12:18-25 Je '59

AMERICAN institute of plant engineers

AIPPE adds new chapters. *Plant Eng* 13:140-1 My '59
 Annual meeting, Cleveland, Jan. 25. *Plant Eng* 13:126-7 Mr '59
 Hawaii newest chapter; other activities. *Plant Eng* 13:154+ S '59

AMERICAN institute of steel construction

National engineering conference, 11th, Birmingham. *Eng N* 162:24 Ap 23 '59

AMERICAN institute of wholesale plumbing and heating supply associations

Annual meeting, New Orleans. *Dom Eng* 192:88+ D '58

AMERICAN machine tool distributors association

Annual meeting, 34th, Boston, Oct. 16-17; abstracts of papers. *Am Mach* 102:100 N 3 '58; *Mach* 65:159-60 D '58
 Spring meeting, Washington, March 18-19. *Am Mach* 103:127 Ap 6 '59

AMERICAN material handling society

AMHS, first ten years. *Mod Materials Handling* 14:101-14 Je '59

Four new regional vice presidents elected. *Mod Materials Handling* 14:129-30 S '59

Tenth anniversary banquet, Cleveland, June 11. *Mod Materials Handling* 14:113-16 Ag '59

AMERICAN medical association

Annual institute, 2d, Chicago, Aug. 27-28. *Drug & Cosmetic Ind* 83:467 O '58

AMERICAN mining congress

Annual convention, San Francisco, Sept. 22-26; with abstracts of papers. *Pit & Quarry* 51:78-81 N '58; *Rock Prod* 61:106+ D '58

Annual meeting, New York, Dec 1. *Min Cong J* 45:21-4 Ja '59

Coal division annual meeting, Cleveland, May 11-14; abstracts of papers. *Coal Age* 64:120-6+ Je '59; *Min Cong J* 45:69-81 Je '59

Coal division 24th annual conference, Pittsburgh, Nov. 14th; with abstracts of papers. *Min Cong J* 45:57-60 Ja '59

Directors. *Min Cong J* 45:54-5 Ag '59

Industrial minerals producers meeting, Cleveland. *Rock Prod* 62:83+ JI '59

Metal mining and industrial minerals convention, Denver, Sept. 14-17; program. *Min Cong J* 45:44-53+ Ag '59

1959 coal show, Cleveland, May 11-14; program, list of exhibitors. *Coal Age* 64:133-54+ Ap '59; *Min Cong J* 45:66-71 Mr; 68-89 Ap '59

Western division

Metal mining and industrial minerals convention, San Francisco, Sept. 22-25; with declaration of policy and abstracts of papers. *Min Cong J* 44:46-69 N '58

AMERICAN museum of atomic energy

Only American museum of its kind explains the atom in layman's terms. 11 *Elec Eng* 78:781-3 JI '59

AMERICAN national exhibition in Moscow

Geodesic dome big attraction at Moscow fair. 11 *Mod Metals* 15:118 S '59

Geodesic dome erection attracts USSR attention; American national exhibition, Moscow. 11 *Plant* 20:25-7 Ag '59

Plastics pavilion in Moscow. 11 *Plastics World* 17:16 Je '59

Reinforced plastic pavilions. 11 *Plastics Tech* 5:58-9 Je '59

Unfolding umbrellas designed for Moscow trade fair. 11 *Prog Arch* 40:69 Je '59

U.S. aluminum dome goes up in Moscow. 11 *Light Metal Age* 17:18-19 Je '59

U.S. exhibition in Moscow; large design challenge. 11 *plan Arch Rec* 125:10 Ap '59

US gives Moscow something to talk about; American national exhibition, Sokolniki park. 11 *Eng N* 162:24-5 Je 25 '59

U.S. in Moscow; U.S. prepares exhibit to reflect many facets of American life. *E. Mickel. Arch Rec* 125:44 Ap '59

AMERICAN oil chemists society

Anniversary meeting, 50th, New Orleans, April 20-22. *Am Oil Chem Soc J* 36:sup20-2+ Je '59

Fall meeting, 33d, Los Angeles, Sept. 28-30; program. *Am Oil Chem Soc J* 36:sup 18-19+ Ag '59

Golden anniversary meeting, New Orleans, La. April 20-22; program. *Am Oil Chem Soc J* 36:sup 18 Mr '59

President looks at the 50th year. *J. C. Konen. Am Oil Chem Soc J* 36:sup4-6 My '59

Report of the cellulose yield committee, 1958-59. *Am Oil Chem Soc J* 36:180 Ap '59

Report of the Smalley committee, 1958-1959. *Am Oil Chem Soc J* 36:260-1 Je '59

Report of the spectroscopy committee, 1957-58. *Am Oil Chem Soc J* 35:593-6 N '58

Report of the uniform methods committee. *Am Oil Chem Soc J* 36:114-15 Mr '59

Report of the uniform methods committee, 1958-59. *Am Oil Chem Soc J* 36:352-4 Ag '59

Treasurer's report, 1958 and report of the advertising committee, 1958-1959. *Am Oil Chem Soc J* 36:sup 13-14 Je '59

AMERICAN ordnance association

Annual meeting, New York; abstracts of papers. *Product Eng* 29:22-3 D 15 '58

AMERICAN paper and pulp association

Annual convention, 82d, New York, Feb. 22-26. *Inland & Am Ptr & Lithogr* 143:120-1+ Ap '59

Annual meeting, 82d, New York. *Paper Ind* 40:819-20+ Mr '59

AMERICAN petroleum institute

Annual meeting, 38th. *Oil & Gas J* 56:115-32 N 17 '58

Division of refining, 24th midyear meeting, New York, May 27-29; program. *Pet Refiner* 38:258+ Mr '59

Only the skilled can work; API's organization for training. *Pet Eng* 30:A25-7 N '58

AMERICAN photoengravers association

Annual convention, 62d, Cincinnati, Oct. 12-15. *Inland & Am Ptr & Lithogr* 142:114 N '58

AMERICAN power conference

Annual meeting, 21st, Chicago, March 31-April 2; program. *Combustion* 30:65-8 F '59; *Elec Eng* 78:259-60 Mr '59

AMERICAN power conference—Continued

- Annual meeting, 21st, Chicago, March 31-April 2; abstracts of papers. Combustion 30:49-52 My; 45:52 Je '59
 Annual meeting, 21st, Chicago, March 31-April 2; abstracts of papers. Elec World 151:50-3 Ap '59; Plant 19:59-62 My '59; Power Eng 63:94-6+ My '59

AMERICAN public health association

- Annual meeting, 86th, St Louis; Laboratory section abstracts of papers. Am J Pub Health 49:684-90 My '59
 Annual meeting, 87th, Atlantic City, N.J., Oct. 19-23; program, list of exhibitors, nominations for section offices. Am J Pub Health 49:1194-257 S '59
 Balanced activities. Am J Pub Health 49:102-12 Ja '59
 Committees, 1958-1959. Am J Pub Health 49:376-401 Mr '59
 Report of the chairman of the executive board to the governing council 1957-1958. Am J Pub Health 49:242-7 F '59
 Report of the chairman of the technical development board to the governing council, 1957-1958. M. M. Elliot. Am J Pub Health 49:96-101 Ja '59

AMERICAN public power association

- Annual meeting, 16th, Seattle, May 26-28. Elec World 151:92-3 Je 29 '59
 Engineering and operations workshop meeting, Springfield, Ill. Feb. 18-20. Elec World 151:66 Mr 16 '59

AMERICAN public works association

- Annual meeting, 64th, Kansas City, Mo., Sept. 28-Oct. 1. Pub Works 89:111-12+ N '58
 Annual meeting, 65th, Seattle, Sept. 20-23; program. Pub Works 90:137-8+ S '59
 News bulletins. Published in monthly numbers of Public works

AMERICAN pulp and paper mill superintendents association. See Paper industry management association**AMERICAN radio relay league**

- Look back and ahead at ARRL's propagation research project. M. F. Southworth. II map Q ST 43:48-9 Je '59

AMERICAN road builders association

- Annual meeting, 57th, Dallas, Jan. 19-22. Civil Eng 29:205-6 Mr '59; Pit & Quarry 51:152 Ap '59; Roads & Sts 102:112-13+ Mr '59
 National highway conference for county engineers and officials, Kiamasha Lake, N.Y. Roads & Sts 101:52+ D '58

AMERICAN rocket society

- Annual meeting, New York; abstracts of papers. Product Eng 29:19+ D 1 '58
 Fall meeting, Detroit; abstracts of papers. Automotive Ind 119:62+ O 15 '58

AMERICAN society for engineering education

- Annual meeting, 67th, Pittsburgh, June 15-19. Mech Eng 81:106-7 Ag '59

AMERICAN society for metals

- Dr Clarence H. Lorig, ASM picks a research scientist. Iron Age 182:155 O 16 '58
 New headquarters at Metals Park. Novelty, Ohio. II Metal Prog 76:64A-64D S '59
 Western metal congress. Metal Prog 75:sup 96F-96N Ap '59

AMERICAN society for quality control

- American society for quality control. G. R. Foster. Mag of Stand 30:106-9 Ap '59
 Annual meeting, 13th, Cleveland, May 24-28; with program, list of exhibitors. Ind Quality Control 15:24-9 Ap; 16:15-19+ Jl '59
 Annual report of the Board of directors. Ind Quality Control 16:7-12 O '59
 Annual report of the Board of directors, July 1957-June 1958. Ind Quality Control 15:21-6 O '58
 File it to find it; Literature classification system. E. F. Taylor. Ind Quality Control 16:5-7, 20-1 S '59
 Organization chart for 1959-60, and committee members. Ind Quality Control 16:33 S '59
 Professional engineering status for the quality control engineer; final report of special committee on professional development. Ind Quality Control 16:17-18+ O '59

AMERICAN society for testing materials

- ASTM and the critical data problem. II A S T M Bul p 16-19 F '59
 ASTM awards of merit, medals and awards. A S T M Bul p24-9 Jl '59
 ASTM books in 1958-59. II A S T M Bul p5-11 O '58
 ASTM called vortex of our institutions. N. C. Rockwood. Rock Prod 62:20+ F '59
 ASTM colour scale. Inst Pet J 45:153 My '59

ASTM in 1958. II A S T M Bul p5-15 Ja '59

- Annual meeting of Committee D-12 on soaps and other detergents, New York, March 9-10. Soap & Chem Spec 35:58-9 Ap '59
 Annual meeting, 62d, Atlantic City; abstracts of papers of interest to the concrete industry. Concrete 67:28 S '59
 Annual meeting, 62d, Atlantic City; abstracts of papers on construction and road building. Pit & Quarry 82:100-3+ Ag '59
 Annual meeting, 62d, Atlantic City, June 21-26. Eng N 163:26 Jl 2 '59; Mag of Stand 30:244-5 Ag '59
 Annual meeting, 62d, Atlantic City, June 21-26; program and abstracts of papers. A S T M Bul p5-23 Ap '59
 Annual meeting, 62d, Atlantic City, June 21-26; with abstracts of papers of interest to highway materials industry. Roads & Sts 102:121-2 S '59
 Annual meeting, 62d, Atlantic City, June 21-26; with reports of committees concerned with specifications for castings. Foundry 87:123-5 Ag '59
 Annual meeting, 62d, Atlantic City; with abstracts of papers. A S T M Bul p5-31 Jl '59
 Finances during 1958. A S T M Bul p 10-11 F '59
 Impact of science on ASTM. K. B. Woods. A S T M Bul p9-11 Jl '59
 New division on materials sciences to be organized. II A S T M Bul p5 F '59
 Technical committee officers. A S T M Bul p 18-19 S '58

Crude natural rubber subcommittee

- ASTM crude natural rubber subcommittee; organization, history, and accomplishments. N. Bekkedahl and R. G. Seaman. bibliog Rubber World 139:693-8 F '59

AMERICAN society of body engineers

- Annual meeting, Detroit. Automotive Ind 119:64+ N 15 '58

AMERICAN society of civil engineers

- Annual meeting, Washington, Oct. 19-20. Eng N 163:21-2 O 29 '59
 Annual meeting, Washington, Oct. 19-20; program. Civil Eng 29:639-49 S '59
 Committee on engineers in public practice. M. J. Shelton. Am Soc C E Proc 85 (PP 1 no 20461):37-40 My '59
 Current challenges in civil engineering; fund raising activity. F. S. Friel. Civil Eng 29:385-7 Je '59
 Highlights in the careers of new ASCE officers. Civil Eng 28:771-4 O '58
 Meeting, Cleveland. Eng N 162:26-7 My 14 '59
 Meeting, Cleveland, May 4-8. Civil Eng 29:421-5 Je '59
 Meeting, Cleveland, May 4-8; program. Civil Eng 29:177-84 Mr '59
 Meeting, Los Angeles. Eng N 162:28 F 19 '59
 Meeting, Los Angeles, Feb. 9-13; program and abstracts of papers. Civil Eng 29:35-42, 185-91 Ja, Mr '59
 Meeting, New York; with abstracts of papers. Eng N 161:21-3 O 23 '58; Civil Eng 28:858-65 N '58
 Professional citizenship; presidential address. F. S. Friel. Civil Eng 28:813-15 N '58

Air transport division

- Better airfields for bigger aircraft; mission of Air transport division. J. M. Kyle, Jr. Civil Eng 29:307 My '59

AMERICAN society of engineering education

- Annual meeting, 67th, Pittsburgh, June 15-19. Civil Eng 29:595 Ag '59

AMERICAN society of heating and air conditioning engineers (now American society of heating, refrigerating and air conditioning engineers)

- Annual meeting, 65th, Philadelphia; abstracts of papers. ASHRAE J 1:70-5+ Mr '59
 Annual meeting, 65th, Philadelphia; program. Heating-Piping 31:181 Ja '59
 Heating and air conditioning show, 14th and 65th ASHAE meeting, Philadelphia, Jan. 26-29; program, floor plan, list of exhibitors. Air Cond Heat & Ven 56:101-7 Ja '59
 How the ASRE council approached the proposed merger. Refrig Eng 66:55-6 N '58
 Questions and answers regarding the proposed ASRE-ASHAE merger. Refrig Eng 66:50-1 O '58

AMERICAN society of heating, refrigerating and air-conditioning engineers

- ASHRAE laboratory and society research. R. C. Jordan and B. H. Jennings. II ASHRAE J 1:56-61+ S '59
 Annual meeting, Lake Placid, June 22-24; program. ASHRAE J 1:75-7 My '59

AMERICAN society of heating, refrigerating and air-conditioning engineers—Continued
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 Consolidation of the American society of heating and air-conditioning engineers and the American society of refrigerating engineers officially and legally effective. ASHRAE J 1:76 Mr '59
 More dynamic society; a future of even greater proportions. E. R. Queer; C. Boling. Refrig Eng 67:48-9 Ja '59
 Real meaning of ASHRAE. C. Boling. ASHRAE J 1:97 Mr '59
 Research, creativity and the ASHRAE. R. C. Jordan. ASHRAE J 1:62+ S '59
 Research program to be expanded greatly. B. H. Jennings. ASHRAE J 1:91+ Mr '59
 Semi-annual meeting, Minneapolis; abstracts of papers. Air Cond Heat & Ven 55:81 O '58
 Some specific projects; ASHRAE research laboratory. B. H. Jennings. ASHRAE J 1:85 Je '59
 Toward a unified publications program. R. H. Tull. ASHRAE J 1:64-5 Ap '59

Research and technical committee
 Research page bringing together our research and technical activities. ASHRAE J 1:91+ My '59

AMERICAN society of industrial designers
 Annual meeting, Bedford Springs, Oct. 18-21; with abstracts of papers. Product Eng 29:20-1 N 3 '58

AMERICAN society of lubrication engineers
 Administrative committees and chairmen. April 1959-April 1960. Lub Eng 15:372-3 S '59
 Annual meeting, Buffalo, April 21-23; program and abstracts of papers. Lub Eng 15: 50-1+, 159-71 F, Ap '59

AMERICAN society of mechanical engineers
 ASME boiler and pressure vessel code; how the code originated; the code in operation. J. H. Harlow; E. M. Kloeblen. Mech Eng 81:56-9 Jl '59
 ASME elects ten to grade of Fellow member. Mech Eng 81:127-30 My '59
 ASME elects thirteen to grade of Fellow member. Mech Eng 81:103-7 S '59
 ASME honors engineers; biographies of recipients and descriptions of honors and awards bestowed during 1958 annual meeting. Mech Eng 81:68-73 Ja '59
 ASME's research committee program. E. M. Barber, diags Mech Eng 81:48-51 F '59
 Annual meeting, New York, Dec. 1-6; abstracts of papers. Combustion 30:53-6 D '58; 49-55 Ja '59; Am Mach 102:93-4 D 15 '58
 Annual meeting, New York, Nov. 30-Dec. 5. Power Eng 63:91-2 F '59
 Annual meeting, 79th, New York; abstracts of papers of interest to industrial plant engineers and executives. Plant 19:53-5 Ja '59
 Annual meeting, 79th, New York, Nov. 30-Dec. 5. Mech Eng 81:74-96 Ja '59
 Annual report, fiscal year Oct. 1, 1957-Sept. 30, 1958, il maps Mech Eng 81:1-25 sec 2 Ja '59
 Aviation conference, Los Angeles. Metal Prog 75:113-16 Je '59
 Challenge to ASME; creativity and innovation in the areas of the research committees and professional divisions. Mech Eng 81:40-2 My '59
 Design engineering conference and show, Philadelphia. Mech Eng 81:102-4 Jl '59
 Human factors professional group established by ASME, under Professional divisions executive committee. Mech Eng 81: 127 F '59
 1958 annual meeting papers availability list. Mech Eng 81:97-101 Ja '59
 1959 design engineering show and ASME conference; program, exhibitors and their products. Product Eng 30:99-104+ My '59
 Petroleum mechanical engineering conference, Denver, Sept. 21-24, 1958; abstracts of papers. Mech Eng 81:53-60 Je '59
 Petroleum mechanical engineering conference, Houston, Sept. 20-23; program. Mech Eng 81:116-18 Ag '59
 Professional divisions of the ASME; their scope and activities. Mech Eng 81:66-76 Mr '59

Semi-annual meeting, St Louis, June 14-18. Mech Eng 81:120-6 Ag '59
 Technology executives conference; 6th, Harman, N.Y., Feb. 8-10. Mech Eng 81:120-2 Mr '59
 Woman's auxiliary 35th annual meeting, New York, Nov. 30-Dec. 5. Mech Eng 81:119-21 Ja '59

Applied mechanics division

Annual meeting, Troy, N.Y., June 18-20. Mech Eng 81:114-15 Ag '59

Aviation division

Annual meeting, Los Angeles, March 9-12. Mech Eng 81:121-3 My '59

Gas turbine power division

Annual meeting, Cincinnati, March 8-11. Mech Eng 81:118-20 My '59

Hydraulic division

Meeting, 1st, Ann Arbor, Mich, April 13-15. Mech Eng 81:136-7 Je '59

Instruments and regulators division

Annual meeting, 5th, Cleveland, March 30-April 1. Mech Eng 81:126-7 My '59

Maintenance and plant engineering division

Annual meeting, 2d, Chicago, May 4-5. Mech Eng 81:141 Je '59

Annual meeting, 2d, Chicago, May 4-5; with abstracts of papers. Plant 19:55-8 Je '59

Metals engineering division

Meeting, 1st, Albany, April 29-May 1. Mech Eng 81:138-9 Je '59

Oil and gas power division

Annual conference and exhibit, 31st, Houston, Texas, April 20-23. Mech Eng 81:134-5 Je '59

Production engineering division

Meeting, Detroit, May 12-14. Mech Eng 81: 106-8 Jl '59

Rubber and plastics division

Meeting, New York, Dec. 3-4; abstracts of papers. Rubber Age 84:650-1 Ja '59; Rubber World 139:554+ Ja '59

Textile engineering division

Annual meeting, Clemson, S.C. March 12-13. Mech Eng 81:124-5 My '59

AMERICAN society of perfumers

Annual symposium on perfumery, 5th. Drug & Cosmetic Ind 84:788 Je '59

AMERICAN society of planning officials

Annual meeting, 25th, Minneapolis. Eng N 162:25 My 21 '59

AMERICAN society of refrigerating engineers (now American society of heating, refrigerating and air conditioning engineers)

Financial statements, Sept. 1, 1957, through Aug 31, 1958. Refrig Eng 66:50 D '58

How the ASRE council approached the proposed merger. Refrig Eng 66:55-6 N '58

Questions and answers regarding the proposed ASRE-ASHAE merger. Refrig Eng 66:50-1 O '58

Semiannual meeting, 45th, New Orleans, Dec. 1-3; program and abstracts of papers. Refrig Eng 66:42-53 N '58; 67:50-6+ Ja '59

AMERICAN society of tool engineers

Annual meeting, 27th, Milwaukee, April 18-22. Tool Eng 42:120-9 Je '59

Annual meeting, 27th, Milwaukee, April 18-22; abstracts of papers. Am Mach 103:90 My 4 '59; Automotive Ind 120:68+ My 15 '59

Annual meeting, 27th, Milwaukee, April 18-22; program. Tool Eng 42:141-51 Ap '59

Honor award winners for 1959 named. Il Tool Eng 42:91-3 My '59

Report on professional registration; joins talks on model law. M. L. Stone. Tool Eng 43:94-7 Ag '59

Semiannual meeting, Los Angeles, Oct. 1-2; with abstracts of papers. Tool Eng 41:123-8 O; 130 N '58

Society role in research. Il Tool Eng 41:91-2 D '58

AMERICAN standards association

Annual meeting, 40th. Mag of Stand 30:6 Ja '59

Company member conference, Kansas City, May 6-7; with abstracts of papers. Mag of Stand 30:196-204 Jl '59

National conference on standards, 9th, New York, Nov. 18-20; program. Mag of Stand 29:300-1 O '58

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- World-wide markets loom ahead for American automobiles by participating in international standards work. G. F. Hussey, jr. *Automotive Ind* 121:59-63+ J1 15 '59

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- AT&T complying with FCC ruling. F. Chapman. *Gas* 35:140 Ap '59
- A.T.&T. reports 1959 progress. *Il Bell Lab Rec* 37:148-50 Ap '59
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AMERICAN water works association

- AWWA certification policy. *Am Water Works Assn J* 50:1542-8 D '58
- Annual conference, 78th. Dallas, April 20-25. *Am Water Works Assn J* 50:1626-37 D '58

- Annual meeting, 79th. San Francisco, July 12-17. *Eng N* 163:24 J1 23 '59; *Civil Eng* 29: 668-9 S '59

- Annual meeting, 79th. San Francisco, July 12-17; abstracts of papers. *Water & Sewage Works* 106:385-9, 440-1, 464 S-N '59; *Water Works Eng* 112:722-3 Ag '59

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- Board of directors meeting; officers, honors and awards for 1959. *Water & Sewage Works* 106:152-3 Ap '59

- Committee reports, publications, auditor's report for year ending Dec. 31, 1958, membership awards, membership growth. *Am Water Works Assn J* 51:521-54 Ap '59
- Directory, membership list, etc. *Am Water Works Assn J* 51:1-192 pt 2 S '59

- For tasks ahead, and jobs well done: AWWA names officers and awardees. *Water Works Eng* 112:636-7 J1 '59

- Papers scheduled at 1958 section meetings. *Am Water Works Assn J* 50:1638-49 D '58
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- Should standards be enforced? L. R. Howson. *Am Water Works Assn J* 50:1539-41 D '58

Canadian section

- Annual meeting, 39th. Montreal; with abstracts of papers. *Water & Sewage Works* 106:292-3 J1 '59

AMERICAN welding society

- Annual meeting and show, Chicago. *Am Mach* 103:97 My 4 '59

- Annual meeting, 40th. Chicago, April 6-10; program and list of exhibitors. *Iron Age* 183:176-8+ Mr 26 '59; *Welding J* 38:365-6+ Ap '59

- Bylaws. *Welding J* 38:489-94 My '59
- Fall meeting, Detroit, Sept. 28-Oct. 1; program. *Welding J* 38:594-6 Je '59

- Meeting, Chicago, April 6-10; with president's address. *Welding J* 38:586-93 Je '59

- National fall meeting, Detroit, Sept. 28-Oct. 1; program. *Welding J* 38:890-3+ S '59

- National officers for 1959-60 nominated. *Welding J* 37:1202-5 D '58

AMERICAN zinc institute

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Airport buildings

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Bridges—Architecture

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Space (architecture)

Stadiums

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Atlanta

Bangkok

Brasilia, Brazil

Brussels

Chicago

Cleveland

Dallas

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Dhahran, Arabia

Dublin

Flint, Michigan

Hague, Netherlands

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Residential design; small space has horizon-wide dimensions. *il* plan *Prog Arch* 40: 116-19 Mr '59

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Comfort and elegance in tandem. *il* plans *Arch Rec* 125:104-7 Mid-My '59

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Abrasives
Adhesives
Cements
Pitch
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Blood

Enzymes

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Environment
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Chemical research
Coal
Coal mines and mining
Drug trade
Electric apparatus industry
Electric utilities
Electricity supply
Engineering education
Engineers
Fertilizer industry
Food industry and trade
Fuel supply
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Colorimetric analysis

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Dye analysis

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Fluorometric analysis

Gas analysis

Indicators and test papers

Metallurgical analysis

Microanalysis

Mineralogical analysis

Plants—Chemical analysis

Precipitation (chemistry)

Radiochemical analysis

Sampling

Soil analysis

Spectrum analysis

Sugar analysis

Textile analysis

also subdivision Analysis under special

subjects, e.g.

Carbon dioxide

Cellulose

Chlorides

Flue gas

Formaldehyde

Gasoline

Glass

Hydrocarbons

Niolum oxides

Paper

Petroleum

Sewage

Steel

Sulfur oxides

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Trade waste

Uranium

Urine

Water

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Carbohydrates
Carbon
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Proteins
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Catalysis
Chemical equilibrium
Colloids
Compressibility
Coordination (chemistry)
Corresponding states
Crystallization
Crystallography
Diffusion
Dissociation
Equation of state
Evaporation
Flocculation
Ions
Liquids
Mass (chemistry)
Molecular volume
Molecular weights
Phase rule and equilibrium
Photochemistry
Precipitation (chemistry)
Refraction, Molecular
Solids
Solubility
Stoichiometry
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Thixotropy
Valence
Vapor pressure
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Bleaching
Calcination
Cellulose
Chemical industries
Chemicals
Clay
Corrosion and anti-corrosives
Cosmetics
Electrochemistry
Emulsions
Extraction processes
Filters and filtration (technical chemistry)
Fuel
Glass manufacture
Paper
Paper making
Petroleum distillation
Petroleum refining
Refractory materials
Refrigerants
Rubber, Artificial
Sampling
Soap
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Cotton
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Canals

Electronics industry

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Castings

Electric motors

Electronic apparatus and instruments

Factories

Fans, Mechanical

Filling machines

Filters and filtration

Gas pipes

Heat exchangers

Heaters

Hosiery machines

Internal combustion engines

Lighting fixtures

Lubrication and lubricants (cutting and grinding)

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American society of mechanical engineers—Instruments and regulators division

Calculating machines

Electric control

Electrohydraulic control

Electronic control

Electropneumatic control

Feedback mechanisms

Governors (machinery)

Graphic panels

Hydraulic control

Level control

Machinery, Automatic

Magnetic control

Pneumatic control

Servomechanisms

Telemetering

Temperature—Regulation

also subdivisions Control and Control equipment under special subjects, e.g.

Air conditioning equipment

Airplane engines

Airplanes

Airplanes, Military

Atomic power plants

Blast furnaces

Boilers

Cranes, derricks, etc.

Crushing machinery

Digesters (paper making)

Drug factories

Electric furnaces, Steel making

Electric motors, Alternating current

Electric motors, Direct current

Electric plants (central stations)

Elevators

Gas burners

Gas turbines

Gear cutting machines

Guided missiles

Heat treatment shops

Helicopters

Hydroelectric plants

Lathes

Machine tools

Machinery

Magnetic instruments

Metallurgical plants

Milling machines

Multivibrators

Nuclear reactors

Open hearth furnaces

Paper and pulp mills

Paper making machinery

Petroleum refineries

Presses

Pumping machinery

Pumps, Feed water

Reactors, Chemical

Rolling mills

Rubber factories

Servomechanisms

Shoe factories

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Automobile engines
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Calculating machines
Concrete
Condensers
Cyclotron
Diesel engines
Diesel engines. Automotive
Electric equipment
Electric generators
Electric rectifiers
Electric resistors
Electric transformers
Electronic apparatus and instruments

- Gas engines
Gas turbines
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 - Galvanizing
 - Gas, Natural—Condensate wells—Corrosion problem
 - Metal coating
 - Metal protection
 - Paint, Protective
 - Parnishing of metals
 - Water purification—Corrosion control
 - Water supply—Corrosiveness
- also subdivision Corrosion under special subjects, e.g.
- Airplanes

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 Automobiles
 Boilers
 Chemical plants
 Condensers
 Cooling towers
 Copper
 Gas turbines
 Heat exchangers
 Lead
 Magnesium
 Motor vehicles
 Nickel
 Oil tanks
 Paper and pulp mills
 Petroleum—Well tubing
 Petroleum pipe lines
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Metal working plants
Moving pictures in industry
Petroleum refineries
Piers
Reservoirs
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Electric circuit breakers
Electric plants (central stations)
Electric transformers
Electronic circuits
Freight cars
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Hydrophone
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Fungicides
Mining engineers
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Brucellosis
Cellac disease
Diabetes
Diarrhea
Heart—Diseases
Infectious diseases
Influenza
Intestines—Diseases
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Malaria
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Mental diseases
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Metadyne

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Selsyn apparatus

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Voltage regulation

also subdivision Control and Control uses

under special subjects, e.g.

Airplanes

Airplanes, Military

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Electric motors

Electric motors, Alternating current

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Electricity in mining
Electricity on the farm

- also* subdivision Electric equipment under special subjects, e.g.

Airplanes
Airplanes, Military
Aluminum works
Apartment houses
Atomic power plants
Automobiles
Breweries
Chemical plants
Coal mines and mining
Cranes, derricks, etc.
Factories
Guided missiles
Hangars
Hospitals
Hotels
Laboratories
Machine shops
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Power factor

Radio apparatus—Power supply

Radio telephone—Power supply

Wind tunnels—Power supply

also subdivision Power under special sub-

jects, e.g.

Aluminum works

Cement plants

Chemical plants

Coal mines and mining

Electrochemical industries

Metallurgical plants

Paper and pulp mills

Quarries and quarrying

Radio relay systems

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Lightning protection

Reactors

Relays

Spark gap

also subdivision Protection under special subjects, e.g.

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Electric lines

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 Atomic power plants
 Cement plants
 Concrete plants
 Electric plants (central stations)
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 Food factories
 Gas companies
 Highway departments
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 Oil companies
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 Power plants
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Mining engineers
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Dextranucrase

Elastase

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Lipase

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Lysozyme

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EUROPE

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Atomic power plants
Automobile industry and trade
Chemical education
Chemical industries
Chemistry
Coal supply
Coal trade
Electricity supply
Electronics industry
Food industry and trade
Motor bus industry
Motor truck industry
Paper industry and trade
Petroleum pipe lines
Railroads
Roads
Telephone
Television broadcasting
Textile industry
Wood pulp

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Drying
Petroleum—Evaporation losses
Reservoirs—Evaporation control
Sublimation
Vaporization
Volatility

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Grading and marking (students)
Physics—Examinations

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See also

Dredges
Earthwork
Mining machinery
Road making machinery
Rock drills
Scrapers
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Drilling and boring (earth and rocks)
Excavating machinery
Shoring and underpinning
Street openings
Trenches
Tunnels and tunneling

Costs

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Blasting. Subaqueous
Bridges—Foundations and piers
Dredging
Petroleum—Well drilling. Subaqueous
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Industrial management
Office management
Organization in industry
Supervisory workers

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See also

Automobile engines—Exhaust
Diesel engines—Exhaust

Dust removal

Gas turbines. Aircraft—Exhaust

Rocket engines—Exhaust

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See also

Brussels—Worlds fair, 1958**Lighting**

- 1958 achievements; Brussels world's fair. *Il diag Illum Eng* 54:6-12 Ja '59

EXHIBITIONS

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See also

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- Fairs
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- Aeronautics
 Agricultural machinery
 Air conditioning equipment
 Atomic power
 Automobiles
 Calculating machines
 Chemical industries
 Clocks
 Coal mining machinery
 Construction equipment
 Electric apparatus and appliances
 Electronic apparatus and instruments
 Electronics industry
 Foundry machinery
 Furniture industry and trade
 Gas industry
 Instruments
 Machine tools
 Machinery
 Mining machinery
 Motor buses
 Motor cycles
 Motor trucks
 Office appliances
 Packaging
 Petroleum industry and trade
 Photographic supplies industry
 Physical apparatus and instruments
 Radio apparatus
 Refrigeration and refrigerating machinery
 Science
 Sound—Apparatus
 Television apparatus
 Textile machinery
 Textile testing machines

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- Chemical plants—Maintenance and repair
- Factories—Painting
- Maintenance departments
- Paint, Protective
- Steel works—Maintenance and repair

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- Employees
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- Employment systems
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- Factory costs
- Foremen
- Hygiene, Industrial
- Idleness, Industrial
- Industrial engineering
- Industrial management
- Industrial relations
- Inspection
- Inventories
- Janitors
- Job work
- Machine shop management
- Machine works

FACTORY management—See also—*Continued*

Material handling
Mechanical handling
Office management
Organization in industry
Packing for shipment
Production
Purchasing
Quantities (In production)
Research departments
Safety devices and measures
Salvage (waste, etc.)
Schedules
Shipment of goods
Shipping departments
Spoilage
Standardization
Suggestion systems
Tool engineering
Tool rooms
Vacations
Visitors

also subdivision Management under special subjects, e.g.
Airplane factories
Chemical plants
Drug factories
Food factories
Guided missile factories
Hosiery mills
Knitting mills
Machine works
Metal working plants
Paint shops
Paper and pulp mills
Rubber factories
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Lavatories

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Material handling
Mechanical handling
Motor trucks, Industrial
Pallets
Tractors, Industrial
Trucks

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Screws
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 Airports
 Building
 Chemical industries
 Electronics industry
 Gas, Natural—Pipe lines
 Gas companies
 Local government
 Medical service
 Metal working industries
 Oil companies
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Electronics industry
Floods
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Lakes
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FLUMES

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Parshall flume

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Molds (for casting)
Oxyacetylene apparatus

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Equation of state
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Fumes. Acid
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Gas analysis
Glass—Gas content

GASES—See also—Continued

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- Drug trade
- Electric apparatus industry
- Electric industries
- Electric plants (central stations)
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GULF Coast region

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Terminals

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Noise

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Combustion
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Heating from central stations
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Oil burners
Oil heaters
Refractory materials
Solar treating
Steam heating
Ventilation
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Air raid shelters
Apartment houses
Atomic research laboratories
Barns and stables
Churches
College buildings
Dining rooms
Electric plants (central stations)
Factories
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IRAN

See also

Electricity supply—Iran
Geology—Iran
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Standards—Iran

IRAQ

See also

Building—Iraq
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Deuterium
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Cesium
Chromium
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Helium
Iodine
Iridium
Iron
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Therapeutic use

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See also

Architecture—Israel
Design—Israel
Metal working industries—Israel
Nutrition problems—Israel
Petroleum industry and trade—Israel
Petroleum pipe lines—Israel
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ITABIRITE. See Iron ores

ITALY

See also subdivision Italy under special subjects, e.g.

Aeronautic research
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Bridges
Chemical industries
Gas, Natural—Pipe lines
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Hotels—Jamaica

Mines and mineral resources—Jamaica

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JANITORS closets

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JANOL method. See Mining methods**JAPAN**

See also subdivision Japan under special subjects, e.g.

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Atomic power plants

Automobile industry and trade

Chemical industries

Electronics industry

Geology

Harbors

Hydroelectric plants

Iron industry and trade

Machine tool industry

Mines and mineral resources

Motor truck industry

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Daylight
Daylight, Artificial
Electric lamps
Gas lighting
Glare

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Light projection
Mine lighting
Office lighting
Photography of lighting
Photometry
Stage lighting
Street lighting
Tunnel lighting
also subdivision Lighting under special subjects, e.g.

Aeronautic instruments
Airplane factories
Airplanes
Airport buildings
Airports
Albany, New York
Auditoriums
Automobile sales buildings
Bank buildings
Barber shop
Beauty shops
Bridges
Capitols
Churches
College buildings
Dining rooms
Electric plants (central stations)
Factories
Food stores
Fountains
Gardens
Gasoline service stations
Golf links. Miniature
Gymnasiums
Hotels
Living rooms
Lobbies (architecture)
Machine shops
Macon, Georgia
Mens stores
Moving picture photography
Museums
Newark, New Jersey
Parks
Photography
Plastic murals
Public buildings
Race tracks
Restaurants
Roads
School buildings
Ships
Shoe stores
Shopping centers
Showrooms
Stadiums
Stock exchange buildings
Store buildings
Synagogs
Television studios
Tennis courts
Textile mills
Theaters
Traverse City, Michigan
Upper Darby, Pennsylvania
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Surface tension
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Airplane engines
Automobile engines
Automobiles
Bearings
Bearings, Roller
Coal mining machinery
Compressors
Diesel engines
Diesel engines, Marine
Gas compressors
Gas turbines, Aircraft
Gearing
Internal combustion engines
Machine tools
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 Inspection
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 Machinery, Replacement of
 Mechanical handling
 Tool engineering

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 Broaching
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 Chucks
 Dies
 Drafting room practice
 Drilling and boring (metal working, etc.)
 Forging
 Foundry practice
 Gages
 Gear cutting
 Grinding
 Grinding machines

Grooving
 Hard facing
 Indexing (machine work)
 Inspection
 Lapping
 Lathes
 Machine tools
 Machinery
 Metal cutting
 Milling
 Pantograph
 Pattern making
 Riveting
 Sheet metal work
 Stamping
 Steel works
 Thread cutting
 Tolerance
 Turning
 Welding

also subdivision Manufacture under special subjects, e.g.

Automobile engines
 Axles
 Bearings
 Bearings, Roller
 Bombs, Aerial
 Cams
 Carburetors
 Crankshafts
 Cylinders (engines, etc.)
 Diesel engines
 Electric motors
 Gas turbines, Aircraft
 Gearing
 Guided missiles
 Guns (ordnance)
 Gyroscope
 Keys and keyways (machinery)
 Lawn mowers
 Machine tools
 Motor trucks
 Office appliances
 Pistons
 Rolls (rolling mills)
 Shafts
 Springs (mechanism)
 Trailers
 Vacuum cleaners

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 Railroads—Shops

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 Machine tools

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Machine shop practice

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Planing machines
Pneumatic tools
Polishing machines
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Punching machinery
Reamers
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Screw machines
Shears (machines)
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Tapping machines
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Holding devices (machine work)
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Milling machines—Fixtures

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- Grinding
- Holding devices (machine work)
- Honing
- Indexing (machine work)
- Locating (machine work)
- Machine shop practice
- Reaming
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- Tolerance
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- Turning

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 Bushings
 Calculating machines
 Calenders
 Casting machines
 Clamps
 Clutches
 Coal mining machinery
 Conveying machinery
 Couplings
 Cranes, derricks, etc.
 Crankshafts
 Crushing machinery
 Cutting machines
 Cutting off machines
 Die casting machines
 Dyeing machines
 Electric machinery
 Electric welding machines
 Engineering
 Excavating machinery
 Fans, Mechanical
 Filling machines
 Fits (machinery)
 Food machinery
 Forging machinery
 Foundry machinery
 Friction
 Gear cutting machines
 Governors (machinery)
 Grinding machines
 Hoisting machinery
 Hydraulic machinery
 Hydraulic presses
 Internal combustion engines
 Inventions
 Jacks
 Jigs
 Keys and keyways (machinery)
 Knitting machines
 Labeling machines
 Lathes
 Looms
 Lubrication and lubricants
 Machine shop practice
 Machine tools
 Marking machines
 Mechanical handling
 Metal working machinery
 Milling machines
 Mining machinery
 Molding machines
 Packaging machinery
 Packing
 Paper cutting machines
 Paper making machinery
 Pattern making
 Paving machines
 Pins, Machinery
 Planing machines
 Plating machinery
 Pneumatic hammers
 Pneumatic machinery
 Polishing machines
 Power transmission
 Presses
 Printing machinery
 Printing presses
 Profiling machines
 Pulleys
 Pumping machinery
 Pumps
 Refrigeration and refrigerating machinery
 Riveting machines
 Road making machinery
 Rollers
 Screw machines
 Screwdriving machines
 Sewing machines
 Shafting
 Shafts
 Shapers
 Spinning machinery
 Springs (mechanism)
 Steam turbines
 Testing machines
 Textile machinery
 Threading machines
 Time study (of machinery)
 Tractors
 Trenching machinery
 Turbines

Typesetting machines

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Machine tools—Design
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Volume**Weighing****Wood measurement**

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Broaching
Cutting machines
Cutting off machines
Cutting tools
Cutting tools. Carbide
Cutting tools. Ceramic
Drilling and boring (metal working, etc.)
Electric cutting
Electrochemical cutting
Gear cutting
Grooving
Lubrication and lubricants (cutting and grinding)
Machine tools
Milling
Milling cutters
Oxycetylene cutting
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Grinding
Honing
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Lacquer and lacquering
Lapping
Peening
Planing
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Polishing, Electrolytic
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METAL finishing—See also—*Continued*

Shot peening

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Surfaces

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Aluminum

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Cermets

Copper, Powdered

Iron, Powdered

Magnette, Powdered

Molybdenum, Powdered

Nickel, Powdered

Oxygen cutting—Powder lance coating

Steel, Powdered

METAL powders—See also—*Continued*

Thorium, Powdered
Tin, Powdered
Titanium, Powdered
Tungsten, Powdered
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Aluminum coating
Chromizing
Electroplating
Enamel and enameling
Galvanizing
Glass—Joining to metal
Metal coating
Paint, Protective
Painting, Industrial
Phosphate coating
Plastics—Joining to metal
Zinc coating
also subdivision Protection under special subjects, e.g.
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Gas, Natural—Pipe lines

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Hydroelectric plants

Mines and mineral resources

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Structural engineering—Model testing
also subdivision Models under special subjects, e.g.

Airplane wings

Atomic power plants

Atoms

Buildings

Calculating machines

Dust collectors

Kitchens

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NATIONAL aluminate corporation

Career opportunities, II Chem & Eng N 37:25 pt 2 Ja 26 '59

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NATIONAL association of corrosion engineers

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NATIONAL association of hosiery manufacturers

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NATIONAL association of housing and redevelopment officials

Annual meeting, 25th, San Francisco, Arch Forum 109:13 N '58

NATIONAL association of lighting maintenance contractors

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NATIONAL association of litho clubs

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NATIONAL association of railroad and utilities commissioners

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Annual meeting, 71st, Philadelphia, Oct. 12-15, Elec World 152:109-12 O 26 '59

NATIONAL association of real estate boards

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NATIONAL association of woolen and worsted overseers

Annual meeting, 75th, Boston, Nov. 7-8; abstracts of papers, Textile Ind 123:82-4 Ja '59

NATIONAL bituminous concrete association

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NATIONAL coal policy conference

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NATIONAL conference of electric and gas utility accountants

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NATIONAL conference on industrial hydraulics

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NATIONAL conference on standards

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NATIONAL crushed limestone institute

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NATIONAL crushed stone association

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NATIONAL electrical manufacturers association
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NATIONAL exposition of power and mechanical engineering

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NATIONAL industrial conference board
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Annual meeting, Atlanta, Ga. Welding Eng 44:61 Mr '59

NATIONAL parks and reserves
Visitors' center for national park vacationers; Canyon village, Yellowstone national park, Wyoming, il plans Arch Rec 126:210-11 JI '59

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National emergency committee set up, Pet Eng 31:A36 My '59

NATIONAL planning association
To evaluate automation; report, Control Eng 6:52+ Je '59

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Electric lines

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NEW YORK (state)—See also—*Continued*

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Ear—Protection

Radio communication—Interference

Radio communication—Interference elimination

Soundproofing

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Air bases. Military—Traffic control towers

Air conditioning equipment

Airplane engines

Airplanes

Airplanes. Jet propelled

Amplifiers

Amplifiers. Transistor

Amplifiers. Vacuum tube

Automobile engines

Automobiles

Cooling towers

Crystal diodes

Electric machinery

Electric motors

Electric motors. Induction

Electric resistors

Electric transformers

Electronic apparatus and instruments

Fans. Mechanical

Foundry machinery

Gas burners

Gas turbines. Aircraft

Guided missiles

Heat exchangers

Helicopters

High fidelity sound systems

Hospitals

Internal combustion engines

Lawn mowers

Machinery

Motor cycles

Motor vehicles

Moving picture machines

Oil burners

Oscillators

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Power plants

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Gas, Natural—Odorizing

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Corn oil
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Grease
Isano oil
Jojoba oil
Lavender oil
Linseed oil
Lipides
Lubricating greases
Lubricating oils
Menhaden oil
Oil industries
Oil seeds
Peanut oil
Peppermint oil
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- Paint, Protective
- Paint removers
- Paint shops
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- Stains and staining (wood)
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Petroleum pipe lines—Construction

Pipe joints

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Gas, Natural—Pipe lines

Gas distribution

Gas pipes

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Petroleum pipe lines

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Pipe joints

Pipe laying

Piping (power plants)

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See also

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 Gas pipes
 Petroleum—Well casing
 Petroleum—Well tubing
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 Pipe fitting
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 Pipe lines
 Piping (power plants)
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- Punched card system
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- Accidents, Industrial
- Electric contractors
- Factories
- Gas companies
- Highway engineering
- Maintenance departments
- Municipal departments
- Plumbing shops
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- Textile laboratories
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Combustion research

Concrete research

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Electric research

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 Heating research
 Highway research
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 Lighting research
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Plastisols
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Lunchrooms and cafeterias

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Erosion

Feather river

Floods

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Jumna river

Kansas river

Mississippi river

Missouri river

Niagara river

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Sewer cleaning

Sewer design

Sewer pipes

Sewers, Concrete

Water pollution

also subdivision Sewerage under names

of cities, e.g.

Abilene, Texas

Atlanta

Aurora, Illinois

Austin, Texas

Boise, Idaho

Camden, New Jersey

Chicago

Cincinnati

Columbus, Ohio

Detroit

Durham, North Carolina

Edmonds, Washington

Hampton Roads, Virginia

Jackson, Michigan

Jacksonville, Florida

Los Angeles

Mexico (city)

Middletown, Ohio

Milwaukee

Minneapolis

New York (city)

Panama City, Florida

Pittsburgh

Racine, Wisconsin

St Paul

San Antonio

San Diego

San Jose, California

Spokane, Washington

Sydney, Australia

Tacoma, Washington

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Mica
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Narsarsukite
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SPECTRUM—See also—*Continued*

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 - Alums. Liquid
 - Amplifiers
 - Assembling machines
 - Automobiles
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- Photography
- Photometry
- Pipe fittings
- Pipes
- Piping (power plants)
- Plastics
- Pressure vessels
- Quality control
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STONE

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Gravel
Marble
Quarries and quarrying
Rocks

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Coal storage
Cold storage
Factories—Yards
Grain storage
Oil storage
Racks
Shelving, Steel
Warehouses
Water storage
also subdivision Storage under special subjects, e.g.

Apples
Bushings, Insulating
Chemicals
Chlorine, Liquid
Cottonseed
Cottonseed oil
Fish as food
Food, Frozen
Fruit
Gas, Natural
Liquefied petroleum gas
Lubricating oils
Machine tools
Methane, Liquid
Oils and fats
Paint materials
Paraffin
Potatoes
Propane
Tobacco
Wheat

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 Gift shops
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 Electric utilities—Stores systems
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 Material control
 Receiving departments
 Storage
 Tool rooms

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Pumps, Centrifugal
Refractory materials
Refrigeration and refrigerating machinery
Rubber
Rubber, Artificial
Sealing compositions
Ship plates
Springs (mechanism)
Steel, Stainless
Steel castings
Television antennas
Television receiving apparatus
Thread
Titanium
Titanium alloys
Trade waste
Transistors
Tubes
Tubes, Steel
Water
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 Military fabrics
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 Nylon
 Nylon fabrics
 Parachute fabrics
 Pile fabrics
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Knitting machines

Looms

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Coke plants
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See also

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Plasma jet

Sublimation

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See also

Condensation

Equation of state

Evaporation

Fumigants

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also subdivision Heating and ventilation under special subjects, e.g.

Air raid shelters

Apartment houses

Atomic research laboratories

Barns and stables

Churches

Dining rooms

Electric plants (central stations)

Factories

Foundries

Greenhouses

Gymnasiums

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Oscillations

also subdivision Vibration under special

subjects, e.g.

Automobiles

Beams and girders

Bridges

Electric generators

Electric lines

Electronic apparatus and instruments

Gas turbines

Grinding wheels

Machinery

Motor vehicles

Phonograph

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Filters and filtration
Filtration plants

Fire service (water supply)

Hot water supply

Pumping stations

Reservoir

Water. Underground

Water collectors

Water conservation

Water consumption

Water distribution

Water districts

Water purification

Water storage

Water supply engineering

Water tanks

Watersheds

Waterworks

Wells

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names of places, e.g.

Akron, Ohio

Amsterdam, Netherlands

Athens, Ohio

Austin, Texas

Baltimore

Bethlehem, Pennsylvania

Bloomington, Illinois

Bridgeport, Connecticut

Bridgman, Michigan

Caracas, Venezuela

Chicago

Cleveland

Cleveland, Tennessee

Coalinga, California

Dallas, Texas

Denver

Detroit

East Tawas, Michigan

Eau Claire, Wisconsin

Fort Lauderdale, Florida

Gary, Indiana

Glasgow

Highland Park, Michigan

Holland, Michigan

Hull, England

Indian Hill, Ohio

Iron Mountain, Michigan

Lafayette, Indiana

Lake Charles, Louisiana

Lancaster, Pennsylvania

Lincoln, Illinois

London

Los Angeles

Michigan City, Michigan

Middletown, New York

Narragansett, Rhode Island

New Castle, Indiana

New York (city)

Newark, New Jersey

Newport Beach, California

Oak Park, Michigan

Oakland, California

Oklahoma City

Ossining, New York

Philadelphia

Pittsburg, Kansas

Point Barrow, Alaska

Portland, Oregon

Rahway, New Jersey

Rockford, Illinois

St Louis

St Paul, Minnesota

St Romuald, Quebec

Salt Lake City

San Diego, California

San Francisco

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Mineral industries—Western states
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Coal mines and mining
Gas, Natural
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Water supply

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